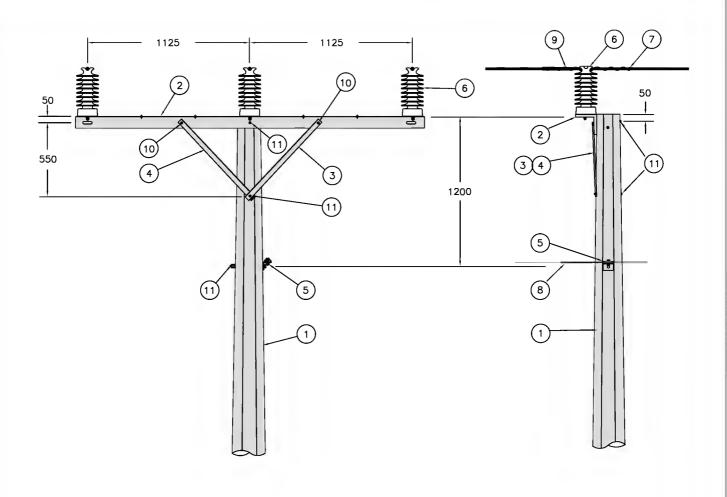


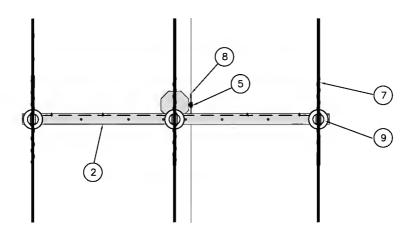
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Dated: NOVEMBER 2004





DRW.001-0C12S,12M,SINGLE CIRCUIT, INTERMEDIATE STRUCTURE, 0°-5°



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SERIAL NO.	QTY	BILL OF MATERIALS DESCRIPTION	REFEREN	ICES
01	1	OC12S — 12 Meter Steel Pole, HDG, Single Circuit	20-SDMS-01	Page 34
02	1	Crossarm — L 100x100x12x2400mm L.G.	20-SDMS-02	Fig. 01
03	1	Brace — L 50x50x4x828mm L.G.	20-SDMS-02	Fig. 04
04	1	Brace — L 50x50x4x828mm L.G. With One End Clipped	20-SDMS-02	Fig. 04
05	1	Earthwire Support Plate	20-SDMS-02	Fig. 06
06	3	Line Post Insulator	15-SDMS-01	Clause 4.2.
07	3 Set	Preformed Armour Rods For 170.5mm2 ACSR/AW (Merlin)	20-SDMS-02	Fîg. 38
08	1 Set	Preformed Armour Rods For 67.44mm2 ACSR/AW (Quail)	20-SDMS-02	Fig. 38
09	3 Set	Preformed Line Post Insulator Top Tie for Merlin ACSR/AW With Armour	20-SDMS-02	Fig. 35
10	2	Machine Bolt, M20x60mm W/1 Nut, 2 Flat Washers & 1 Spring Washer	20-SDMS-02	Fig. 15
11	3	Machine Bolt, M20x225mm W/1 Nut, 2 Flat Washers & 1 Spring Washer	20-SDMS-02	Fig. 15
12	1 Set	Danger Sign Plate Complete With Its Accessories	20-SDMS-02	Fig. 49/50
13	15M	Anti-Climbing Device, Barbed Wire	20-SDMS-02	Fig. 13
14	2	Buckle Type, Locking Clip for Barbed Wire	20-SDMS-02	Fig. 13
15	1 Set	Pole Numbering Base Plate	20-SDMS-02	Fig. 51
16	1 Set	Pole Numbering Plates	20-SDMS-02	Fig. 51
		170.5mm2 ACSR/AW, MERLIN		

DRW.001A-OC12S,12M,SINGLE CIRCUIT,INTERMEDIATE STRUCTURE, 0°-5° FOR MERLIN MAIN CONDUCTOR



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01	1	OC12S — 12 Meter Steel Pole, HDG, Single Circuit	20-SDMS-01	Page 34
02	1	Crossarm — L 100x100x12x2400mm L.G.	20-SDMS-02	Fig. 01
03	1	Brace — L 50x50x4x828mm L.G.	20-SDMS-02	Fig. 04
04	1	Brace — L 50x50x4x828mm L.G. With One End Clipped	20-SDMS-02	Fig. 04
05	1	Earthwire Support Plate	20-SDMS-02	Fig. 06
06	3	Line Post Insulator	15-SDMS-01	Clause 4.2.8
07	3 Set	Preformed Armour Rods For 67.44mm2 ACSR/AW, (Quail)	20-SDMS-02	Fig. 38
08	1 Set	Preformed Armour Rods For 67.44mm2 ACSR/AW, (Quail)	20-SDMS-02	Fig. 38
09	3 Set	Preformed Line Post Insulator Top Tie for Quail ACSR/AW With Armour	20-SDMS-02	Fig. 35
10	2	Machine Bolt, M20x60mm W/1 Nut, 2 Flat Washers & 1 Spring Washer	20-SDMS-02	Fig. 15
11	3	Machine Bolt, M20x225mm W/1 Nut, 2 Flat Washers & 1 Spring Washer	20-SDMS-02	Fig. 15
12	1 Set	Danger Sign Plate Complete With Its Accessories	20-SDMS-02	Fig. 49/50
13	15M	Anti-Climbing Device, Barbed Wire	20-SDMS-02	Fig. 13
14	2	Buckle Type, Locking Clip for Barbed Wire	20-SDMS-02	Fig. 13
15	1 Set	Pole Numbering Base Plate	20-SDMS-02	Fig. 51
16	1 Set	Pole Numbering Plates	20-SDMS-02	Fig. 51
			_	
<u> </u>		67.44mm2 ACSR/AW, QUAIL		

DRW.001B-OC12S,12M,SINGLE CIRCUIT,INTERMEDIATE STRUCTURE, $0^{\circ}-5^{\circ}$ FOR QUAIL MAIN CONDUCTOR

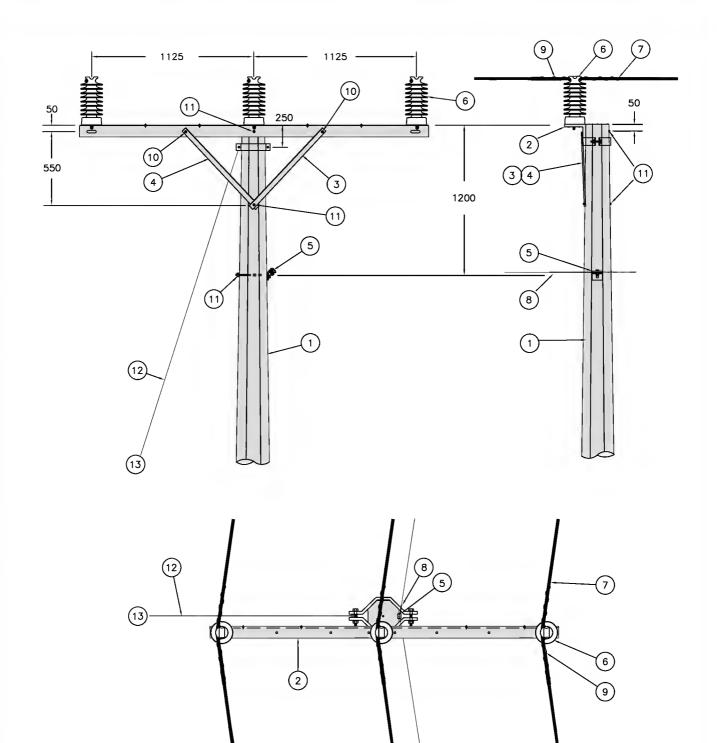


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DRW.002-OC12S, 12M, S.C. LIGHT ANGLE STRUCT., 6°-15° W/ONE STAY



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SERIAL	OFFICE	DILL OF MARRIAG DECORPRION	DESCRIPTION	
NO.	QTY	BILL OF MATERIALS DESCRIPTION	REFEREN	
01	1	OC12S — 12 Meter Steel Pole, HDG, Single Circuit	20-SDMS-01	Page 34
02	1	Crossarm — L 100x100x12x2400mm L.G.	20-SDMS-02	Fig. 01
03	1	Brace — L 50x50x4x828mm L.G.	20-SDMS-02	Fig. 04
04	1	Brace - L 50x50x4x828mm L.G. With One End Clipped	20-SDMS-02	Fig. 04
05	1	Earthwire Support Plate	20-SDMS-02	Fig. 06
06	3	Line Post Insulator	15-SDMS-01	Clause 4.2.8
07	3 Set	Preformed Armour Rods For 170.5mm2 ACSR/AW (Merlin)	20-SDMS-02	Fig. 38
08	1 Set	Preformed Armour Rods For 67.44mm2 ACSR/AW (Quail)	20-SDMS-02	Fig. 38
09	3 Set	Preformed Line Post Insulator Side Tie for Merlin ACSR/AW With Armour	20-SDMS-02	Fig. 36
10	2	Machine Bolt, M20x60mm W/1 Nut, 2 Flat Washers & 1 Spring Washer	20-SDMS-02	Fig. 15
11	3	Machine Bolt, M20x225mm W/1 Nut, 2 Flat Washers & 1 Spring Washer	20-SDMS-02	Fig. 15
12	14M	Stay Wire 7/4, 12mm Dia. HDG Steel, UTS 101kN (Min.)		
13	1 Set	M.V.—S.C. One Stay Assembly	20-SDMS-02	Drw. 302
14	1 Set	Danger Sign Plate Complete With Its Accessories	20-SDMS-02	Fig. 49/50
15	15M	Anti-Climbing Device, Barbed Wire	20-SDMS-02	Fig. 13
16	2	Buckle Type, Locking Clip for Barbed Wire	20-SDMS-02	Fig. 13
17	1 Set	Pole Numbering Base Plate	20-SDMS-02	Fig. 51
18	1 Set	Pole Numbering Plates	20-SDMS-02	Fig. 51
10				
1		170.5mm2 ACSR/AW, MERLIN		
		110.0Hillio AODIN AII, MERUHA		

DRW.002A-OC12S, 12M, S.C. LIGHT ANGLE STRUC. 6°-15° W/ONE STAY FOR MERLIN MAIN CONDUCTOR



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Dated:	NOVEMBER	2004
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01 02 03 04 05 06 07 08 1 09 3 10 11	1 1 1 1 3 Set 1 Set 2 3	BILL OF MATERIALS DESCRIPTION OC12S - 12 Meter Steel Pole, HDG, Single Circuit Crossarm - L 100x100x12x2400mm L.G. Brace - L 50x50x4x828mm L.G. Brace - L 50x50x4x828mm L.G. With One End Clipped Earthwire Support Plate Line Post Insulator Preformed Armour Rods For 67.44mm2 ACSR/AW (Quail) Preformed Line Post Insulator Side Tie for Quail ACSR/AW With Armour Machine Bolt, M20x60mm W/1 Nut, 2 Flat Washers & 1 Spring Washer	20-SDMS-01 20-SDMS-02 20-SDMS-02 20-SDMS-02 20-SDMS-02 15-SDMS-01 20-SDMS-02 20-SDMS-02 20-SDMS-02	Fig. 04 Fig. 04 Fig. 06 Clause 4.2.8 Fig. 38 Fig. 38 Fig. 36
02 03 04 05 06 07 3 08 1 09 3 10 11	1 1 1 1 3 3 Set 1 Set 2	Crossarm - L 100x100x12x2400mm L.G. Brace - L 50x50x4x828mm L.G. Brace - L 50x50x4x828mm L.G. With One End Clipped Earthwire Support Plate Line Post Insulator Preformed Armour Rods For 67.44mm2 ACSR/AW (Quail) Preformed Line Post Insulator Side Tie for Quail ACSR/AW With Armour	20-SDMS-02 20-SDMS-02 20-SDMS-02 20-SDMS-02 15-SDMS-01 20-SDMS-02 20-SDMS-02	Fig. 01 Fig. 04 Fig. 04 Fig. 06 Clause 4.2.8 Fig. 38 Fig. 38
03 04 05 06 07 3 08 1 09 3 10 11	1 1 3 3 Set 1 Set 2	Brace — L 50x50x4x828mm L.G. Brace — L 50x50x4x828mm L.G. With One End Clipped Earthwire Support Plate Line Post Insulator Preformed Armour Rods For 67.44mm2 ACSR/AW (Quail) Preformed Armour Rods For 67.44mm2 ACSR/AW (Quail) Preformed Line Post Insulator Side Tie for Quail ACSR/AW With Armour	20-SDMS-02 20-SDMS-02 20-SDMS-02 15-SDMS-01 20-SDMS-02 20-SDMS-02 20-SDMS-02	Fig. 04 Fig. 04 Fig. 06 Clause 4.2.8 Fig. 38 Fig. 38
04 05 06 07 08 1 09 3 10 11	1 1 3 3 Set 1 Set 2	Brace — L 50x50x4x828mm L.G. With One End Clipped Earthwire Support Plate Line Post Insulator Preformed Armour Rods For 67.44mm2 ACSR/AW (Quail) Preformed Armour Rods For 67.44mm2 ACSR/AW (Quail) Preformed Line Post Insulator Side Tie for Quail ACSR/AW With Armour	20-SDMS-02 20-SDMS-02 15-SDMS-01 20-SDMS-02 20-SDMS-02 20-SDMS-02	Fig. 04 Fig. 06 Clause 4.2.8 Fig. 38 Fig. 38
05 06 07 08 1 09 3 10 11	1 3 3 Set 1 Set 3 Set 2	Earthwire Support Plate Line Post Insulator Preformed Armour Rods For 67.44mm2 ACSR/AW (Quail) Preformed Armour Rods For 67.44mm2 ACSR/AW (Quail) Preformed Line Post Insulator Side Tie for Quail ACSR/AW With Armour	20-SDMS-02 15-SDMS-01 20-SDMS-02 20-SDMS-02 20-SDMS-02	Fig. 06 Clause 4.2.8 Fig. 38 Fig. 38
06 07 3 08 1 09 3 10	3 3 Set 1 Set 3 Set 2	Line Post Insulator Preformed Armour Rods For 67.44mm2 ACSR/AW (Quail) Preformed Armour Rods For 67.44mm2 ACSR/AW (Quail) Preformed Line Post Insulator Side Tie for Quail ACSR/AW With Armour	15-SDMS-01 20-SDMS-02 20-SDMS-02 20-SDMS-02	Clause 4.2.8 Fig. 38 Fig. 38
07 3 08 1 09 3 10	3 Set 1 Set 3 Set 2	Preformed Armour Rods For 67.44mm2 ACSR/AW (Quail) Preformed Armour Rods For 67.44mm2 ACSR/AW (Quail) Preformed Line Post Insulator Side Tie for Quail ACSR/AW With Armour	20-SDMS-02 20-SDMS-02 20-SDMS-02	Fig. 38
08 1 09 3 10	1 Set 3 Set 2	Preformed Armour Rods For 67.44mm2 ACSR/AW (Quail) Preformed Line Post Insulator Side Tie for Quail ACSR/AW With Armour	20-SDMS-02 20-SDMS-02	Fig. 38
09 3 10 11	3 Set 2	Preformed Line Post Insulator Side Tie for Quail ACSR/AW With Armour	20-SDMS-02	
10	2			Fig. 36
11		Machine Bolt, M20x60mm W/1 Nut, 2 Flat Washers & 1 Spring Washer		119. 00
	3		20-SDMS-02	Fig. 15
		Machine Bolt, M20x225mm W/1 Nut, 2 Flat Washers & 1 Spring Washer	20-SDMS-02	Fig. 15
12 1	14M	Stay Wire 7/4, 12mm Dia. HDG Steel, UTS 101kN (Min.)		
13 1	1 Set	M.V.—S.C. One Stay Assembly	20-SDMS-02	Drw. 302
14 1	1 Set	Danger Sign Plate Complete With Its Accessories	20-SDMS-02	Fig. 49/50
15	15M	Anti-Climbing Device, Barbed Wire	20-SDMS-02	Fig. 13
16	2	Buckle Type, Locking Clip for Barbed Wire	20-SDMS-02	Fig. 13
17 1	1 Set	Pole Numbering Base Plate	20-SDMS-02	Fig. 51
18 1	1 Set	Pole Numbering Plates	20-SDMS-02	Fig. 51
		67.44mm2 ACSR/AW, QUAIL		

DRW.002B-OC12S, 12M, S.C. LIGHT ANGLE STRUC. 6°-15° W/ONE STAY FOR QUAIL MAIN CONDUCTOR



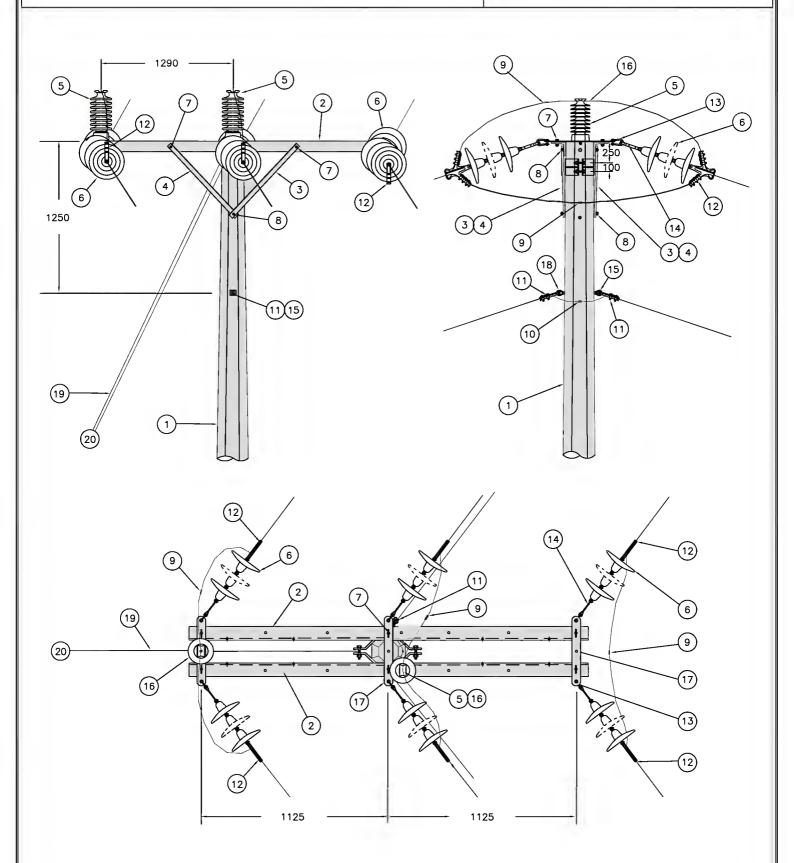
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DRW.003-OC12S, 12M, SINGLE CIRCUIT, MEDIUM ANGLE STRUCTURE, 16°-60° WITH TWO STAYS



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SERIAL NO.	QTY	BILL OF MATERIALS DESCRIPTION	REFERE	NCES
01	1	OC12S — 12 Meter Steel Pole, HDG, Single Circuit	20-SDMS-01	Page 34
02	2	Crossarm - L 100x100x12x2400mm L.G.	20-SDMS-02	Fig. 01
03	2	Brace - L 50x50x4x828mm L.G.	20-SDMS-02	Fig. 04
04	2	Brace — L 50x50x4x828mm L.G. With One End Clipped	20-SDMS-02	Fig. 04
05	2	Line Post Insulator	15-SDMS-01	Clause 4.
06	6 Set	Suspension Insulator	15-SDMS-01	Page 23
07	10	Machine Bolt, M20x60mm W/1 Nut, 2 Flat Washers & 1 Spring Washer	20-SDMS-02	Fig. 15
80	2	Machine Bolt, M20x225mm W/1 Nut, 2 Flat Washers & 1 Spring Washer	20-SDMS-02	Fig. 15
09	3	Parallel Groove Comp. Connector for 170.5mm2 ACSR/AW (Merlin)	20-SDMS-02	Fig. 39
10	1	Parallel Groove Comp. Connector for 67.44mm2 ACSR/AW (Quail)	20-SDMS-02	Fig. 39
11	2	Strain Clamp, Straight Line Deadend Type for Quail	20-SDMS-02	Fig. 30
12	6	Strain Clamp, 3 U—Bolts Type for Merlin	20-SDMS-02	Fig. 29
13	6	Anchor Shackle	20-SDMS-02	Fig. 20
14	6	Clevis Eye Extension	20-SDMS-02	Fig. 21
15	1	Shoulder Eye Bolt, M20x260mm W/2 Nuts, 1 Flat & 1 Spring Washers	20-SDMS-02	Fig. 17
16	2	Preformed Line Post Insulator Top Tie for Merlin ACSR/AW	20-SDMS-02	Fig. 35
17	3	Double Arming Plate, 100x12x700mm	20-SDMS-02	Fig. 7
18	1	Eye Nut For M20	20-SDMS-02	Fig. 19
19	27M	Stay Wire 7/4, 12mm Dia. HDG Steel, UTS 101kN (Min)		
20	1 Set	M.V.—S.C. Two Stay Assembly	20-SDMS-02	Drw. 303
21	1 Set	Danger Sign Plate Complete With Its Accessories	20-SDMS-02	Fig. 49/5
22	15M	Anti-Climbing Device, Barbed Wire	20-SDMS-02	Fig. 13
23	2	Buckle Type, Locking Clip for Barbed Wire	20-SDMS-02	Fig. 13
24	1 Set	Pole Numbering Base Plate	20-SDMS-02	Fig. 51
25	1 Set	Pole Numbering Plates	20-SDMS-02	Fig. 51
		170.5mm2 ACSR/AW, MERLIN		

DRW.003A-OC12S,12M, S.C. MEDIUM ANGLE STRUCTURE 16°-60° WITH STAYS FOR MERLIN MAIN CONDUCTOR



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01	1	OC12S — 12 Meter Steel Pole, HDG, Single Circuit	20-SDMS-01	Page 34
02	2	Crossarm — L 100x100x12x2400mm L.G.	20-SDMS-02	Fig. 01
03	2	Brace — L 50x50x4x828mm L.G.	20-SDMS-02	Fig. 04
04	2	Brace — L 50x50x4x828mm L.G. With One End Clipped	20-SDMS-02	Fig. 04
05	2	Line Post Insulator	15-SDMS-01	Clause 4.2
06	6 Set	Suspension Insulator	15-SDMS-01	Page 23
07	10	Machine Bolt, M20x60mm W/1 Nut, 2 Flat Washers & 1 Spring Washer	20-SDMS-02	Fig. 15
08	2	Machine Bolt, M20x225mm W/1 Nut, 2 Flat Washers & 1 Spring Washer	20-SDMS-02	Fig. 15
09	3	Parallel Groove Comp. Connector for 67.44mm2 ACSR/AW (Quail)	20-SDMS-02	Fig. 39
10	1	Parallel Groove Comp. Connector for 67.44mm2 ACSR/AW (Quail)	20-SDMS-02	Fig. 39
11	2	Strain Clamp, Straight Line Deadend Type for Quail	20-SDMS-02	Fig. 30
12	6	Strain Clamp, 3 U—Bolts Type for Quail	20-SDMS-02	Fig. 29
13	6	Anchor Shackle	20-SDMS-02	Fig. 20
14	6	Clevis Eye Extension	20-SDMS-02	Fig. 21
15	1	Shoulder Eye Bolt, M20x260mm W/2 Nuts, 1 Flat & 1 Spring Washers	20-SDMS-02	Fig. 17
16	2	Preformed Line Post Insulator Top Tie for Quail ACSR/AW	20-SDMS-02	Fig. 35
17	3	Double Arming Plate, 100x12x700mm	20-SDMS-02	Fig. 7
18	1	Eye Nut For M20	20-SDMS-02	Fig. 19
19	27M	Stay Wire 7/4, 12mm Dia. HDG Steel, UTS 101kN (Min)		
20	1 Set	M.VS.C. Two Stay Assembly	20-SDMS-02	Drw. 303
21	1 Set	Danger Sign Plate Complete With Its Accessories	20-SDMS-02	Fig. 49/5
22	15M	Anti-Climbing Device, Barbed Wire	20-SDMS-02	Fig. 13
23	2	Buckle Type, Locking Clip for Barbed Wire	20-SDMS-02	Fig. 13
24	1 Set	Pole Numbering Base Plate	20-SDMS-02	Fig. 51
25	1 Set	Pole Numbering Plates	20-SDMS-02	Fig. 51
		67.44mm2 ACSR/AW, QUAIL		

DRW.003B-OC12S,12M, S.C. MEDIUM ANGLE STRUCTURE 16°-60° WITH TWO STAYS FOR QUAIL MAIN CONDUCTOR

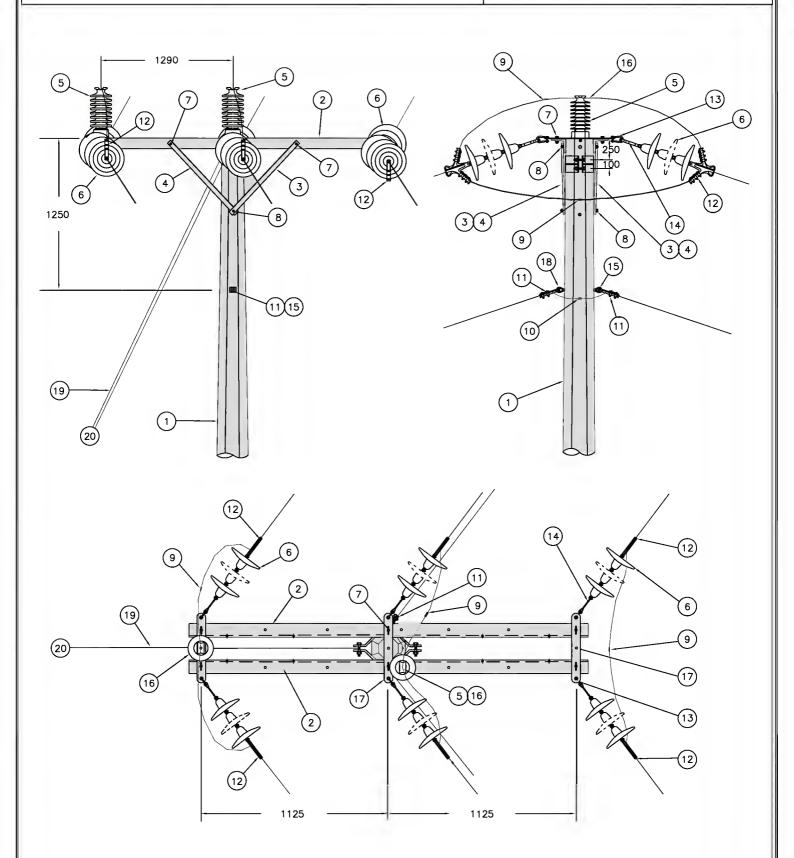


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DRW.004-OC12S, 12M, SINGLE CIRCUIT, HEAVY ANGLE STRUCTURE, 61°-90° WITH TWO STAYS



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SERIAL NO.	QTY	BILL OF MATERIALS DESCRIPTION	REFERE	NCES
01	1	OC12S - 12 Meter Steel Pole, HDG, Single Circuit	20-SDMS-01	Page 34
02	2	Crossarm — L 100x100x12x2400mm L.G.	20-SDMS-02	Fig. 01
03	2	Brace - L 50x50x4x828mm L.G.	20-SDMS-02	Fig. 04
04	2	Brace — L 50x50x4x828mm L.G. With One End Clipped	20-SDMS-02	Fig. 04
05	2	Line Post Insulator	15-SDMS-01	Clause 4.2.8
06	6 Set	Suspension Insulator	15-SDMS-01	Page 23
07	10	Machine Bolt, M20x60mm W/1 Nut, 2 Flat Washers & 1 Spring Washer	20-SDMS-02	Fig. 15
80	2	Machine Bolt, M20x225mm W/1 Nut, 2 Flat Washers & 1 Spring Washer	20-SDMS-02	Fig. 15
09	3	Parallel Groove Comp. Connector for 170.5mm2 ACSR/AW (Merlin)	20-SDMS-02	Fig. 39
10	1	Parallel Groove Comp. Connector for 67.44mm2 ACSR/AW (Quail)	20-SDMS-02	Fig. 39
11	2	Strain Clamp, Straight Line Deadend Type for Quail	20-SDMS-02	Fig. 30
12	6	Strain Clamp, 3 U—Bolts Type for Merlin	20-SDMS-02	Fig. 29
13	6	Anchor Shackle	20-SDMS-02	Fig. 20
14	6	Clevis Eye Extension	20-SDMS-02	Fig. 21
15	1	Shoulder Eye Bolt, M20x260mm W/2 Nuts, 1 Flat & 1 Spring Washers	20-SDMS-02	Fig. 17
16	2	Preformed Line Post Insulator Top Tie for Merlin ACSR/AW	20-SDMS-02	Fig. 35
17	3	Double Arming Plate, 100x12x700mm	20-SDMS-02	Fig. 7
18	1	Eye Nut For M20	20-SDMS-02	Fig. 19
19	27M	Stay Wire 7/4, 12mm Dia. HDG Steel, UTS 101kN (Min)		
20	1 Set	M.V.—S.C. Two Stay Assembly	20-SDMS-02	Drw. 303
21	1 Set	Danger Sign Plate Complete With Its Accessories	20-SDMS-02	Fig. 49/50
22	15M	Anti-Climbing Device, Barbed Wire	20-SDMS-02	Fig. 13
23	2	Buckle Type, Locking Clip for Barbed Wire	20-SDMS-02	Fig. 13
24	1 Set	Pole Numbering Base Plate	20-SDMS-02	Fig. 51
25	1 Set	Pole Numbering Plates	20-SDMS-02	Fig. 51
		170.5mm2 ACSR/AW, MERLIN		

DRW.004A-OC12S, 12M, S.C. HEAVY ANGLE STRUCTURE 61°-90° WITH STAYS FOR MERLIN MAIN CONDUCTOR



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01	1	OC12S - 12 Meter Steel Pole, HDG, Single Circuit	20-SDMS-01	Page 34
02	2	Crossarm - L 100x100x12x2400mm L.G.	20-SDMS-02	Fig. 01
03	2	Brace - L 50x50x4x828mm L.G.	20-SDMS-02	Fig. 04
04	2	Brace — L 50x50x4x828mm L.G. With One End Clipped	20-SDMS-02	Fig. 04
05	2	Line Post Insulator	15-SDMS-01	Clause 4.2.8
06	6 Set	Suspension Insulator	15-SDMS-01	Page 23
07	10	Machine Bolt, M20x60mm W/1 Nut, 2 Flat Washers & 1 Spring Washer	20-SDMS-02	Fig. 15
80	2	Machine Bolt, M20x225mm W/1 Nut, 2 Flat Washers & 1 Spring Washer	20-SDMS-02	Fig. 15
09	3	Parallel Groove Comp. Connector for 67.44mm2 ACSR/AW (Quail)	20-SDMS-02	Fig. 39
10	1	Parallel Groove Comp. Connector for 67.44mm2 ACSR/AW (Quail)	20-SDMS-02	Fig. 39
11	2	Strain Clamp, Straight Line Deadend Type for Quail	20-SDMS-02	Fig. 30
12	6	Strain Clamp, 3 U-Bolts Type for Quail	20-SDMS-02	Fig. 29
13	6	Anchor Shackle	20-SDMS-02	Fig. 20
14	6	Clevis Eye Extension	20-SDMS-02	Fig. 21
15	1	Shoulder Eye Bolt, M20x260mm W/2 Nuts, 1 Flat & 1 Spring Washers	20-SDMS-02	Fig. 17
16	2	Preformed Line Post Insulator Top Tie for Quail ACSR/AW	20-SDMS-02	Fig. 35
17	3	Double Arming Plate, 100x12x700mm	20-SDMS-02	Fig. 7
18	1	Eye Nut For M20	20-SDMS-02	Fig. 19
19	27M	Stay Wire 7/4, 12mm Dia. HDG Steel, UTS 101kN (Min)		
20	1 Set	M.V.—S.C. Two Stay Assembly	20-SDMS-02	Drw. 303
21	1 Set	Danger Sign Plate Complete With Its Accessories	20-SDMS-02	Fig. 49/50
22	15M	Anti-Climbing Device, Barbed Wire	20-SDMS-02	Fig. 13
23	2	Buckle Type, Locking Clip for Barbed Wire	20-SDMS-02	Fig. 13
24	1 Set	Pole Numbering Base Plate	20-SDMS-02	Fig. 51
25	1 Set	Pole Numbering Plates	20-SDMS-02	Fig. 51
		67.44mm2 ACSR/AW, QUAIL		

DRW.004B-OC12S,12M, S.C. HEAVY ANGLE STRUCTURE 61°-90° WITH TWO STAYS FOR QUAIL MAIN CONDUCTOR

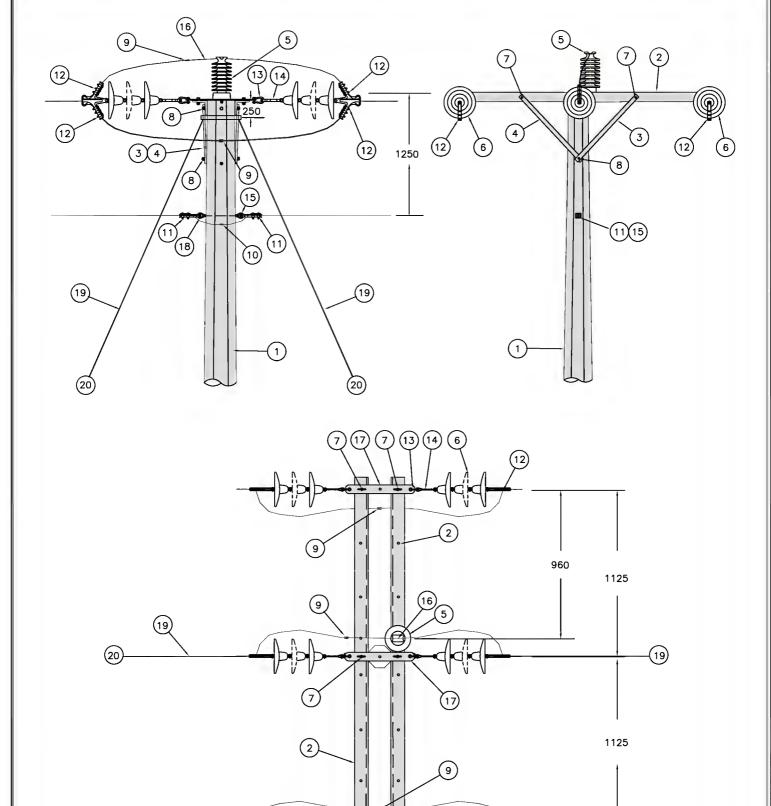


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DRW.005-OC12S, 12M, SINGLE CIRCUIT, SECTION STRUCTURE WITH STAYS



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SERIAL NO.	QTY	BILL OF MATERIALS DESCRIPTION	REFERE	NCES
01	1	OC12S — 12 Meter Steel Pole, HDG, Single Circuit	20-S0MS-01	Page 34
02	2	Crossorm - L 100x100x12x2400mm L.G.	20-S0MS-02	Fig. 01
03	2	Broce — L 50x50x4x828mm L.G.	20-SDMS-02	Fig. 04
04	2	Broce — L 50x50x4x828mm L.G. With One End Clipped	20-SDMS-02	Fig. 04
05	1	Line Post Insulotor	15-S0MS-01	Clause 4.2.8
06	6 Set	Suspension Insulator	15-S0MS-01	Page 23
07	10	Machine Bolt, M20x60mm W/1 Nut, 2 Flot Washers & 1 Spring Wosher	20-S0MS-02	Fig. 15
08	2	Mochine Bolt, M20x225mm W/1 Nut, 2 Flot Woshers & 1 Spring Wosher	20-S0MS-02	Fig. 15
09	3	Porollel Groove Comp. Connector for 170.5mm2 ACSR/AW (Merlin)	20-S0MS-02	Fig. 39
10	1	Parallel Groove Comp. Connector for 67.44mm2 ACSR/AW (Quail)	20-S0MS-02	Fig. 39
11	2	Stroin Clomp, Stroight Line Deodend Type for Quoil	20-S0MS-02	Fig. 30
12	6	Strain Clamp, 3 U—Bolts Type for Merlin	20-S0MS-02	Fig. 29
13	6	Anchor Shockle	20-S0MS-02	Fig. 20
14	6	Clevis Eye Extension	20-SDMS-02	Fig. 21
15	1	Shoulder Eye Bolt, M20x260mm W/2 Nuts, 1 Flot & 1 Spring Woshers	20-S0MS-02	Fig. 17
16	1	Preformed Line Post Insulotor Top Tie For Merlin ACSR/AW	20-SDMS-02	Fig. 35
17	3	Double Arming Plote, 100x12x700mm	20-SDMS-02	Fig. 7
18	1	Eye Nut For M20	20-S0MS-02	Fig. 19
19	27M	Stoy Wire 7/4, 12mm Dio. HDG Steel, UTS 101kN (Min)		
20	1 Set	MV, SC Section Stoy Assembly	20-S0MS-02	0rw. 304
21	1 Set	Donger Sign Plote Complete With Its Accessories	20-S0MS-02	Fig. 49/50
22	15M	Anti-Climbing Device, Barbed Wire	20-S0MS-02	Fig. 13
23	2	Buckle Type, Locking Clip for Borbed Wire	20-SDMS-02	Fig. 13
24	1 Set	Pole Numbering Base Plate	20-SDMS-02	Fig. 51
25	1 Set	Pole Numbering Plates	20-S0MS-02	Fig. 51
		170.5mm2 ACSR/AW, MERLIN		

DRW.005A-OC12S, 12M, SINGLE CIRCUIT, SECTION STRUCTURE WITH STAYS FOR MERLIN MAIN CONDUCTOR



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SERIAL NO.	QTY	BILL OF MATERIALS DESCRIPTION REFERENCES		NCES
01	1	OC12S — 12 Meter Steel Pole, HDG, Single Circuit	20-S0MS-01	Page 34
02	2	Crossorm - L 100x100x12x2400mm L.G.	20-S0MS-02	Fig. 01
03	2	Broce — L 50x50x4x828mm L.G.		Fig. 04
04	2	Broce — L 50x50x4x828mm L.G. With One End Clipped	20-SDMS-02	Fig. 04
05	1	Broce — L 50x50x4x828mm L.G. With One End Clipped Line Post Insulotor		Clause 4.2.8
06	6 Set	Suspension Insulator	15-S0MS-01	Page 23
07	10	Machine Bolt, M20x60mm W/1 Nut, 2 Flot Washers & 1 Spring Wosher	20-S0MS-02	Fig. 15
08	2	Mochine Bolt, M20x225mm W/1 Nut, 2 Flot Woshers & 1 Spring Wosher	20-S0MS-02	Fig. 15
09	3	Porollel Groove Comp. Connector for 67.44mm2 ACSR/AW (Quoil)	20-S0MS-02	Fig. 39
10	1	Parallel Groove Comp. Connector for 67.44mm2 ACSR/AW (Quail)	20-S0MS-02	Fig. 39
11	2	Stroin Clomp, Stroight Line Deodend Type for Quoil	20-S0MS-02	Fig. 30
12	6	Strain Clamp, 3 U—Bolts Type for Quail	20-S0MS-02	Fig. 29
13	6	Anchor Shockle	20-S0MS-02	Fig. 20
14	6	Clevis Eye Extension	20-SDMS-02	Fig. 21
15	1	Shoulder Eye Bolt, M20x260mm W/2 Nuts, 1 Flot & 1 Spring Woshers	20-S0MS-02	Fig. 17
16	1	Preformed Line Post Insulotor Top Tie For Quoil ACSR/AW	20-SDMS-02	Fig. 35
17	3	Double Arming Plote, 100x12x700mm	20-SDMS-02	Fig. 7
18	1	Eye Nut For M20	20-S0MS-02	Fig. 19
19	27M	M.V. Stay Wire 7/4, 12mm Dia. HDG Steel, UTS 101kN (Min)		
20	1 Set	MV, SC Section Stoy Assembly	20-S0MS-02	0rw. 304
21	1 Set	Donger Sign Plote Complete With Its Accessories	20-S0MS-02	Fig. 49/50
22	15M	Anti-Climbing Device, Barbed Wire	20-S0MS-02	Fig. 13
23	2	Buckle Type, Locking Clip for Borbed Wire	20-SDMS-02	Fig. 13
24	1 Set	Pole Numbering Base Plate	20-SDMS-02	Fig. 51
25	1 Set	Pole Numbering Plotes	20-S0MS-02	Fig. 51
		67.44mm2 ACSR/AW, QUAIL		

DRW.005B-OC12S, 12M, SINGLE CIRCUIT, SECTION STRUCTURE WITH STAYS FOR QUAIL MAIN CONDUCTOR

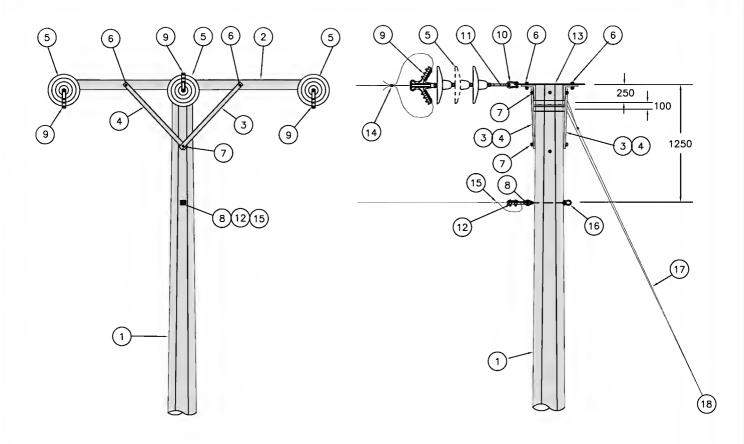


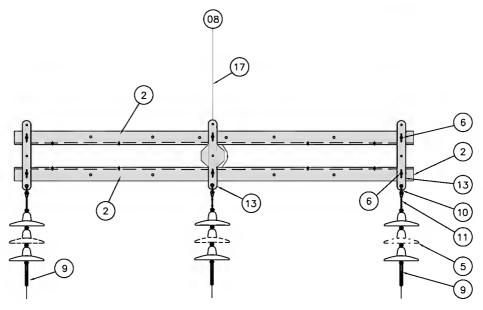
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DRW.006-OC12S, 12M, SINGLE CIRCUIT, TERMINAL STRUCTURE W/TWO STAYS



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SERIAL	SERIAL QTY BILL OF MATERIALS DESCRIPTION REFERENCES				
NO.	•	BILL OF MATERIALS DESCRIPTION			
01	1	OC12S — 12 Meter Steel Pale, HDG, Single Circuit	20-SDMS-01	Page 34	
02	2	Crassarm — L 100x100x12x2400mm L.G.	20-SDMS-02	Fig. 01	
03	2 Brace — L 50x50x4x828mm L.G.		20-SDMS-02	Fig. 04	
04	2	Brace — L 50x50x4x828mm L.G. With One End Clipped	20-SDMS-02	Fig. 04	
05	3 Set			Page 23	
06	10	Machine Balt, M20x60mm W/1 Nut, 2 Flat Washers & 1 Sring Washer	20-SDMS-02	Fig. 15	
07	2	Machine Balt, M20x225mm W/1 Nut, 2 Flat Washers & 1 Spring Washer	20-SDMS-02	Fig. 15	
08	1	Strain Clamp, Straight Line Deadend Type far Quail	20-SDMS-02	Fig. 30	
09	3	Strain Clamp, 3 U—Balts Type far Merlin	20-SDMS-02	Fig. 29	
10	3	Anchar Shackle	20-SDMS-02	Fig. 20	
11	3	Clevis Eye Extensian	20-SDMS-02	Fig. 21	
12	1	Shoulder Eye Bolt, M20x260mm, W/2 Nuts, 1 Flat & 1 Spring Washers	20-SDMS-02	Fig. 17	
13	3	Double Arming Plate, 100x12x700mm	20-SDMS-02	Fig. 7	
14	3	Parallel Graave Clamp, Three Balts Type far Merlin ACSR Canductar	20-SDMS-02	Fig.	
15	1	Parallel Graave Clamp, Twa Balts Type far Quail ACSR Canductar	20-SDMS-02	Fig.	
16	1	Eye Nut far M20	20-SDMS-02	Fig. 19	
17	27M	Stay Wire 7/4, 12mm Dia. HDG Steel, UTS 101kN (Min)			
18	1 Set	M.V.—S.C. Twa Stay Assembly	20-SDMS-02	Drw. 303	
19	1 Set	Danger Sign Plate Camplete With Its Accessaries	20-SDMS-02	Fig. 49/50	
20	20 15M Anti-Climbing Device, Barbed Wire		20-SDMS-02	Fig. 13	
21	2	Buckle Type, Locking Clip for Barbed Wire	20-SDMS-02	Fig. 13	
22	1 Set	Pole Numbering Base Plate	20-SDMS-02	Fig. 51	
23	1 Set	Pale Numbering Plates	20-SDMS-02	Fig. 51	
		170.5mm2 ACSR/AW, MERLIN			
	<u> </u>	, ,			

DRW.006A-OC12S, 12M, SINGLE CIRCUIT, TERMINAL STRUCTURE WITH TWO STAYS FOR MERLIN MAIN CONDUCTOR



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SERIAL	SERIAL SERIAL				
NO.	QTY	BILL OF MATERIALS DESCRIPTION	REFERE	NCES	
01	1	OC12S — 12 Meter Steel Pole, HDG, Single Circuit	20-SDMS-01	Page 34	
02	2	Crossarm — L 100x100x12x2400mm L.G.	20-SDMS-02	Fig. 01	
03	2	Brace — L 50x50x4x828mm L.G.	20-SDMS-02	Fig. 04	
04	2	Brace — L 50x50x4x828mm L.G. With One End Clipped	20-SDMS-02	Fig. 04	
05	3 Set	Suspension Insulator	15-SDMS-01	Page 23	
06	10	Machine Bolt, M20x60mm W/1 Nut, 2 Flat Washers & 1 Sring Washer	20-SDMS-02	Fig. 15	
07	2	Machine Bolt, M20x225mm W/1 Nut, 2 Flat Washers & 1 Spring Washer	20-SDMS-02	Fig. 15	
08	1	Strain Clamp, Straight Line Deadend Type for Quail	20-SDMS-02	Fig. 30	
09	3	Strain Clamp, 3 U—Bolts Type for Quail	20-SDMS-02	Fig. 29	
10	3	Anchor Shackle	20-SDMS-02	Fig. 20	
11	3	Clevis Eye Extension	20-SDMS-02	Fig. 21	
12	1	Shoulder Eye Bolt, M20x260mm, W/2 Nuts, 1 Flat & 1 Spring Washers	20-SDMS-02	Fig. 17	
13	3	Double Arming Plate, 100x12x700mm	20-SDMS-02	Fig. 7	
14	3	Parallel Groove Clamp, Two Bolts Type for Quail ACSR Conductor	20-SDMS-02	Fig.	
15	1	Parallel Groove Clamp, Two Bolts Type for Quail ACSR Conductor	20-SDMS-02	Fig.	
16	1	Eye Nut for M20	20-SDMS-02	Fig. 19	
17	27M	Stay Wire 7/4, 12mm Dia. HDG Steel, UTS 101kN (Min)			
18	1 Set	M.V.—S.C. Two Stay Assembly	20-SDMS-02	Drw. 303	
19	1 Set	Danger Sign Plate Complete With Its Accessories	20-SDMS-02	Fig. 49/50	
20	15M	Anti-Climbing Device, Barbed Wire	20-SDMS-02	Fig. 13	
21	2	Buckle Type, Locking Clip for Borbed Wire	20-SDMS-02	Fig. 13	
22	1 Set	Pole Numbering Plates	20-SDMS-02	Fig. 51	
23	1 Set	Pole Numbering Plates	20-SDMS-02	Fig. 51	
-					
-					
		67.44mm2 ACSR/AW, QUAIL			
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DRW.006B-OC12S, 12M, SINGLE CIRCUIT, TERMINAL STRUCTURE WITH TWO STAYS FOR QUAIL MAIN CONDUCTOR

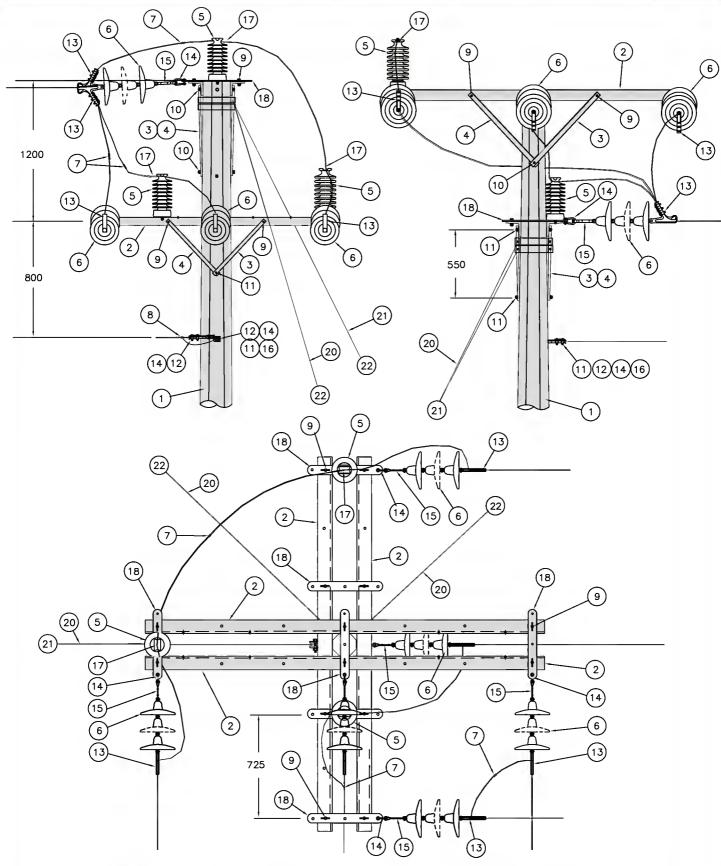


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DRW.007-OC12S, 12M, S.C. DOUBLE TERMINAL AT 90° STRUCTURE WITH STAYS



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SERIAL	QTY	Y BILL OF MATERIALS DESCRIPTION REFERENCES		NCES
NO.	1	OC12S - 12 Meter Steel Pole, HDG, Single Circuit 20-SDMS-01		Page 34
			20-SDMS-01	Fig. 01
02	4	Crossarm — L 100x100x12x2400mm L.G. Brace — L 50x50x4x828mm L.G.	20-SDMS-02 20-SDMS-02	Fig. 04
				Fig. 04
04	3	Brace — L 50x50x4x828mm L.G. With One End Clipped Line Post Insulator	20-SDMS-02	Clause 4.2.8
05	6 Set		15-SDMS-01	
06	5 Set	'	15-SDMS-01	Page 23
07		Parallel Groove Compression Connector for Merlin	20-SDMS-02	Fig. 39
08	1	Parallel Groove Compression Connector for Quail	20-SDMS-02	Fig. 39
09	22	Machine Bolt, M20x60mm With Nut, 2 Flat Washer & 1 Spring Washer	20-SDMS-02	Fig. 15
10	2	Machine Bolt, M20x225mm With Nut, 2 Flat Washer & 1 Spring Washer	20-SDMS-02	Fig. 15
11	3	Machine Bolt, M20x265mm With Nut, 2 Flat Washer & 1 Spring Washer	20-SDMS-02	Fig. 15
12	2	Strain Clamp, Straight Line Deadend Type for Quail	20-SDMS-02	Fig. 30
13	6	Strain Clamp, 3 U—Bolts Type for Merlin	20-SDMS-02	Fig. 29
14	8	Anchor Shackle	20-SDMS-02	Fig. 20
15	6	Clevis Eye Extension	20-SDMS-02	Fig. 21
16	1	Earthwire Suspension Support	20-SDMS-02	Fig. 5
17	3	Preformed Line Post Insulator Top Tie for Merlin ACSR/AW	20-SDMS-02	Fig. 35
18	7	Double Arming Plate, 100x12x700mm	20-SDMS-02	Fig. 7
19	2 Set	Phasing Plates (A,B,C)	20-SDMS-02	Fig. 53/54
20	51M	Stay Wire 7/4, 12mm Dia. HDG Steel, UTS 101kN (Min)		
21	1 Set	M.VS.C. Two Stay Assembly	20-SDMS-02	Drw. 303
22	2 Set	M.VS.C. One Stay Assembly	20-SDMS-02	Drw. 302
23	1 Set	Danger Sign Plate Complete With Its Accessories	20-SDMS-02	Fig. 49/50
24	15M	Anti-Climbing Device, Barbed Wire	20-SDMS-02	Fig. 13
25	2	Buckle Type, Locking Clip for Barbed Wire	20-SDMS-02	Fig. 13
26	1 Set	Pole Numbering Base Plate	20-SDMS-02	Fig. 51
27	1 Set	Pole Numbering Plates	20-SDMS-02	Fig. 51
		170.5mm2 ACSR/AW, MERLIN		
		· · · · · · · · · · · · · · · · · · ·		-

DRW.007A-OC12S, 12M, S.C. DOUBLE TERMINAL AT 90° WITH STAYS FOR MERLIN MAIN & MERLIN



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01	1	OC12S - 12 Meter Steel Pole, HDG, Single Circuit	20-SDMS-01	Page 34
02			20-SDMS-02	Fig. 01
03	03 4 Brace - L 50x50x4x828mm L.G.		20-SDMS-02	Fig. 04
04	4	Brace — L 50x50x4x828mm L.G. With One End Clipped	20-SDMS-02	Fig. 04
05	3	Line Post Insulator	15-SDMS-01	Clause 4.2.8
06			15-SDMS-01	Page 23
07	3	Parallel Groove Compression Connector for Quail — Quail	20-SDMS-02	Fig. 39
08	1	Parallel Groove Compression Connector for Quail	20-SDMS-02	Fig. 39
09	22	Machine Bolt, M20x60mm With Nut, 2 Flat Washer & 1 Spring Washer	20-SDMS-02	Fig. 15
10	2	Machine Bolt, M20x225mm With Nut, 2 Flat Washer & 1 Spring Washer	20-SDMS-02	Fig. 15
11	3	Machine Bolt, M20x265mm With Nut, 2 Flat Washer & 1 Spring Washer	20-SDMS-02	Fig. 15
12	2	Strain Clamp, Straight Line Deadend Type for Quail	20-SDMS-02	Fig. 30
13	6	Strain Clamp, 3 U—Bolts Type for Quail	20-SDMS-02	Fig. 29
14	8	Anchor Shackle	20-SDMS-02	Fig. 20
15	6	Clevis Eye Extension	20-SDMS-02	Fig. 21
16	1	Earthwire Suspension Support	20-SDMS-02	Fig. 5
17	3	Preformed Line Post Insulator Top Tie for Quail ACSR/AW	20-SDMS-02	Fig. 35
18	7	Double Arming Plate, 100x12x700mm	20-SDMS-02	Fig. 7
19	2 Set	Phasing Plates (A,B,C)	20-SDMS-02	Fig. 53/54
20	20 51M Stay Wire 7/4, 12mm Dia. HDG Steel, UTS 101kN (Min)			
21	1 Set	M.V.—S.C. Two Stay Assembly	20-SDMS-02	Drw. 303
22	2 Set	M.V.—S.C. One Stay Assembly	20-SDMS-02	Drw. 302
23	1 Set	Danger Sign Plate Complete With Its Accessories	20-SDMS-02	Fig. 49/50
24	15M	Anti-Climbing Device, Barbed Wire	20-SDMS-02	Fig. 13
25	2	Buckle Type, Locking Clip for Barbed Wire	20-SDMS-02	Fig. 13
26	1 Set	Pole Numbering Base Plate	20-SDMS-02	Fig. 51
27	1 Set	Pole Numbering Plates	20-SDMS-02	Fig. 51
VV				
		67.44mm2 ACSR/AW, QUAIL		

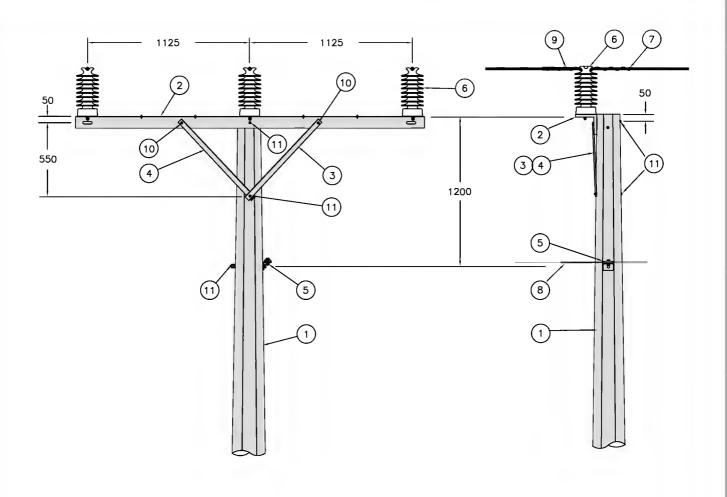
DRW.007B-OC12S, 12M, S.C. DOUBLE TERMINAL AT 90° WITH STAYS FOR QUAIL MAIN & QUAIL

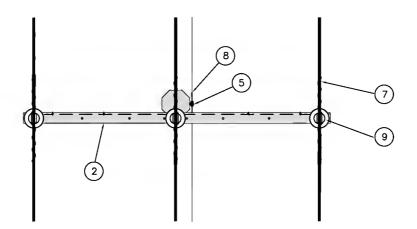


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DRW.008-OC13S, 13M, SINGLE CIRCUIT, INTERMEDIATE STRUCTURE, 0°-5°



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SERIAL NO.	QTY BILL OF MATERIALS DESCRIPTION REFERENCES		ICES	
01	1	OC13S — 13 Meter Steel Pole, HDG, Single Circuit	20-SDMS-01	Page 35
02	1	Crossarm - L 100x100x12x2400mm L.G.	20-SDMS-02	Fig. 01
03	1	Brace - L 50x50x4x828mm L.G.	20-SDMS-02	Fig. 04
04	1	Brace — L 50x50x4x828mm L.G. With One End Clipped	20-SDMS-02	Fig. 04
05	1	Earthwire Support Plate	20-SDMS-02	Fig. 06
06	3	Line Post Insulator	15-SDMS-01	Clause 4.2.8
07	3 Set	Preformed Armour Rods For 170.5mm2 ACSR/AW (Merlin)	20-SDMS-02	Fig. 38
08	1 Set	Preformed Armour Rods For 67.44mm2 ACSR/AW (Quail)	20-SDMS-02	Fig. 38
09	3 Set	Preformed Line Post Insulator Top Tie for Merlin ACSR/AW With Armour	20-SDMS-02	Fig. 35
10	2	Machine Bolt, M20x60mm W/1 Nut, 2 Flat Washers & 1 Spring Washer	20-SDMS-02	Fig. 15
11	3	Machine Bolt, M20x225mm W/1 Nut, 2 Flat Washers & 1 Spring Washer	20-SDMS-02	Fig. 15
12	1 Set	Danger Sign Plate Complete With Its Accessories	20-SDMS-02	Fig. 49/50
13	16M	Anti-Climbing Device, Barbed Wire	20-SDMS-02	Fig. 13
14	2	Buckle Type, Locking Clip for Barbed Wire	20-SDMS-02	Fig. 13
15	1 Set	Pole Numbering Base Plate	20-SDMS-02	Fig. 51
16	1 Set	Pole Numbering Plates	20-SDMS-02	Fig. 51
		170.5mm2 ACSR/AW, MERLIN		

DRW.008A-OC13S, 13M, SINGLE CIRCUIT, INTERMEDIATE STRUCTURE 0°-5° FOR MERLIN MAIN CONDUCTOR



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ı	Dateu:	NOVEMBER	ZUU4

SERIAL NO.	QTY	BILL OF MATERIALS DESCRIPTION	REFERE	ICES
01	1	OC13S - 13 Meter Steel Pole, HDG, Single Circuit	20-SDMS-01	Page 35
02	1	Crossarm - L 100x100x12x2400mm L.G.	20-SDMS-02	Fig. 01
03	1	Brace — L 50x50x4x828mm L.G.	20-SDMS-02	Fig. 04
04	1	Brace — L 50x50x4x828mm L.G. With One End Clipped	20-SDMS-02	Fig. 04
05	1	Earthwire Support Plate	20-SDMS-02	Fig. 06
06	3	Line Post Insulator	15-SDMS-01	Clause 4.2
07	3 Set	Preformed Armour Rods For 67.44mm2 ACSR/AW, (Quail)	20-SDMS-02	Fig. 38
08	1 Set	Preformed Armour Rods For 67.44mm2 ACSR/AW, (Quail)	20-SDMS-02	Fig. 38
09	3 Set	Preformed Line Post Insulator Top Tie for Quail ACSR/AW With Armour	20-SDMS-02	Fig. 35
10	2	Machine Bolt, M20x60mm W/1 Nut, 2 Flat Washers & 1 Spring Washer	20-SDMS-02	Fig. 15
11	3	Machine Bolt, M20x225mm W/1 Nut, 2 Flat Washers & 1 Spring Washer	20-SDMS-02	Fig. 15
12	1 Set	Danger Sign Plate Complete With Its Accessories	20-SDMS-02	Fig. 49/50
13	16M	Anti-Climbing Device, Barbed Wire	20-SDMS-02	Fig. 13
14	2	Buckle Type, Locking Clip for Barbed Wire	20-SDMS-02	Fig. 13
15	1 Set	Pole Numbering Base Plate	20-SDMS-02	Fig. 51
16	1 Set	Pole Numbering Plates	20-SDMS-02	Fig. 51
	 			
		67.44mm2 ACSR/AW, QUAIL		

DRW.008B-OC13S, 13M, SINGLE CIRCUIT, INTERMEDIATE STRUCTURE 0°-5° FOR QUAIL MAIN CONDUCTOR

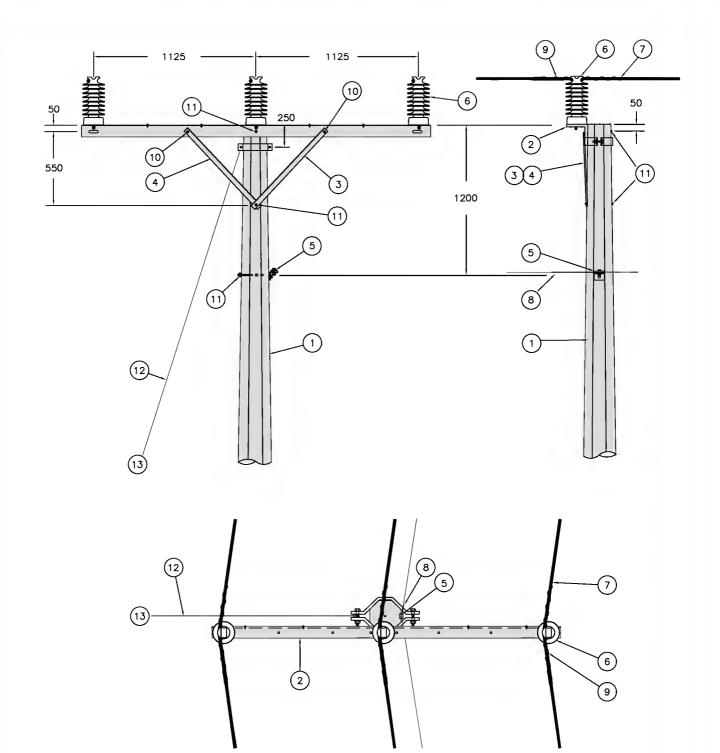


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DRW.009-OC13S, 13M, S.C. LIGHT ANGLE STRUCT., 6°-15° W/ONE STAY



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SERIAL NO.	QTY	BILL OF MATERIALS DESCRIPTION	REFEREN	ICES
01	1	OC13S — 13 Meter Steel Pole, HDG, Single Circuit	20-SDMS-01	Page 35
02	1	Crossarm - L 100x100x12x2400mm L.G.	20-SDMS-02	Fig. 01
03	1	Brace — L 50x50x4x828mm L.G.	20-SDMS-02	Fig. 04
04	1	Brace — L 50x50x4x828mm L.G. With One End Clipped	20-SDMS-02	Fig. 04
05	1	Earthwire Support Plate	20-SDMS-02	Fig. 06
06	3	Line Post Insulator	15-SDMS-01	Clause 4.2.8
07	3 Set	Preformed Armour Rods For 170.5mm2 ACSR/AW (Merlin)	20-SDMS-02	Fig. 38
08	1 Set	Preformed Armour Rods For 67.44mm2 ACSR/AW (Quail)	20-SDMS-02	Fig. 38
09	3 Set	Preformed Line Post Insulator Side Tie for Merlin ACSR/AW With Armour	20-SDMS-02	Fig. 36
10	2	Machine Bolt, M20x60mm W/1 Nut, 2 Flat Washers & 1 Spring Washer	20-SDMS-02	Fig. 15
11	3	Machine Bolt, M20x225mm W/1 Nut, 2 Flat Washers & 1 Spring Washer	20-SDMS-02	Fig. 15
12	15M	Stay Wire 7/4, 12mm Dia. HDG Steel, UTS 101kN (Min.)		
13	1 Set	M.V.—S.C. One Stay Assembly	20-SDMS-02	Drw. 302
14	1 Set	Danger Sign Plate Complete With Its Accessories	20-SDMS-02	Fig. 49/50
15	16M	Anti-Climbing Device, Barbed Wire	20-SDMS-02	Fig. 13
16	2	Buckle Type, Locking Clip for Barbed Wire	20-SDMS-02	Fig. 13
17	1 Set	Pole Numbering Base Plate	20-SDMS-02	Fig. 51
18	1 Set	Pole Numbering Plates	20-SDMS-02	Fig. 51
		170.5mm2 ACSR/AW, MERLIN		
	1	•		_

DRW.009A-OC13S, 13M, S.C. LIGHT ANGLE STRUC. 6°-15° W/ONE STAY FOR MERLIN MAIN CONDUCTOR



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SERIAL NO.	QTY	BILL OF MATERIALS DESCRIPTION	REFERENCES	ICES
01	1	OC13S — 13 Meter Steel Pole, HDG, Single Circuit	20-SDMS-01	Page 35
02	1	Crossarm — L 100x100x12x2400mm L.G.	20-SDMS-02	Fig. 01
03	1	Brace — L 50x50x4x828mm L.G.	20-SDMS-02	Fig. 04
04	1	Brace — L 50x50x4x828mm L.G. With One End Clipped	20-SDMS-02	Fig. 04
05	1	Earthwire Support Plate	20-SDMS-02	Fig. 06
06	3	Line Post Insulator	15-SDMS-01	Clause 4.2.8
07	3 Set	Preformed Armour Rods For 67.44mm2 ACSR/AW (Quail)	20-SDMS-02	Fig. 38
08	1 Set	Preformed Armour Rods For 67.44mm2 ACSR/AW (Quail)	20-SDMS-02	Fig. 38
09	3 Set	Preformed Line Post Insulator Side Tie for Quail ACSR/AW With Armour	20-SDMS-02	Fig. 36
10	2	Machine Bolt, M20x60mm W/1 Nut, 2 Flat Washers & 1 Spring Washer	20-SDMS-02	Fig. 15
11	3	Machine Bolt, M20x225mm W/1 Nut, 2 Flat Washers & 1 Spring Washer	20-SDMS-02	Fig. 15
12	15M	Stay Wire 7/4, 12mm Dia. HDG Steel, UTS 101kN (Min.)		
13	1 Set	M.V.—S.C. One Stay Assembly	20-SDMS-02	Drw. 302
14	1 Set	Danger Sign Plate Complete With Its Accessories	20-SDMS-02	Fig. 49/50
15	16M	Anti-Climbing Device, Barbed Wire	20-SDMS-02	Fig. 13
16	2	Buckle Type, Locking Clip for Barbed Wire	20-SDMS-02	Fig. 13
17	1 Set	Pole Numbering Base Plate	20-SDMS-02	Fig. 51
18	1 Set	Pole Numbering Plates	20-SDMS-02	Fig. 51
		67.44mm2 ACSR/AW, QUAIL		
		OTTE EMPLOY AND		<u> </u>

DRW.009B-OC13S, 13M, S.C. LIGHT ANGLE STRUC. 6°-15° W/ONE STAY FOR QUAIL MAIN CONDUCTOR

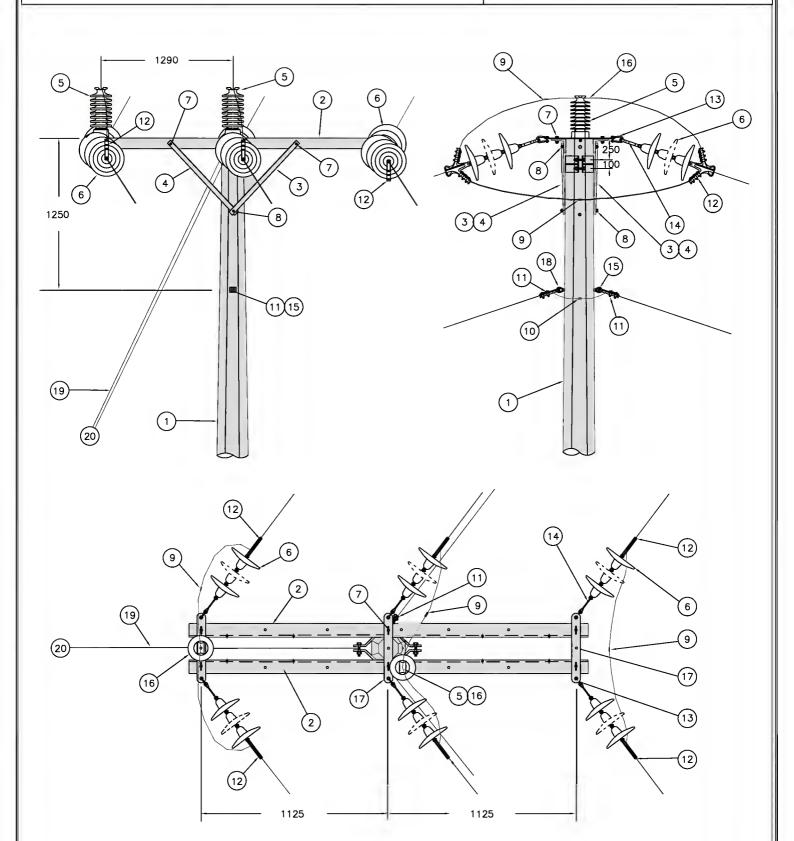


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DRW.010-OC13S, 13M, SINGLE CIRCUIT, MEDIUM ANGLE STRUCTURE, 16°-60° WITH TWO STAYS



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01	1	OC13S - 13 Meter Steel Pole, HDG, Single Circuit	20-SDMS-01	Page 35
02	2	Crossarm — L 100x100x12x2400mm L.G.	20-SDMS-02	Fig. 01
03	2	Brace — L 50x50x4x828mm L.G.	20-SDMS-02	Fig. 04
04	2	Brace — L 50x50x4x828mm L.G. With One End Clipped	20-SDMS-02	Fig. 04
05	2	Line Post Insulator	15-SDMS-01	Clause 4.2.8
06	6 Set	Suspension Insulator	15-SDMS-01	Page 23
07	10	Machine Bolt, M20x60mm W/1 Nut, 2 Flat Washers & 1 Spring Washer	20-SDMS-02	Fig. 15
80	2	Machine Bolt, M20x225mm W/1 Nut, 2 Flat Washers & 1 Spring Washer	20-SDMS-02	Fig. 15
09	3	Parallel Groove Comp. Connector for 170.5mm2 ACSR/AW (Merlin)	20-SDMS-02	Fig. 39
10	1	Parallel Groove Comp. Connector for 67.44mm2 ACSR/AW (Quail)	20-SDMS-02	Fig. 39
11	2	Strain Clamp, Straight Line Deadend Type for Quail	20-SDMS-02	Fig. 30
12	6	Strain Clamp, 3 U—Bolts Type for Merlin	20-SDMS-02	Fig. 29
13	6	Anchor Shackle	20-SDMS-02	Fig. 20
14	6	Clevis Eye Extension	20-SDMS-02	Fig. 21
15	1	Shoulder Eye Bolt, M20x260mm W/2 Nuts, 1 Flat & 1 Spring Washers	20-SDMS-02	Fig. 17
16	2	Preformed Line Post Insulator Top Tie for Merlin ACSR/AW	20-SDMS-02	Fig. 35
17	3	Double Arming Plate, 100x12x700mm	20-SDMS-02	Fig. 7
18	1	Eye Nut For M20	20-SDMS-02	Fig. 19
19	30M	Stay Wire 7/4, 12mm Dia. HDG Steel, UTS 101kN (Min)		
20	1 Set	M.V.—S.C. Two Stay Assembly	20-SDMS-02	Drw. 303
21	1 Set	Danger Sign Plate Complete With Its Accessories	20-SDMS-02	Fig. 49/50
22	16M	Anti-Climbing Device, Barbed Wire	20-SDMS-02	Fig. 13
23	2	Buckle Type, Locking Clip for Barbed Wire	20-SDMS-02	Fig. 13
24	1 Set	Pole Numbering Base Plate	20-SDMS-02	Fig. 51
25	1 Set	Pole Numbering Plates	20-SDMS-02	Fig. 51
		170.5mm2 ACSR/AW, MERLIN		

DRW.010A-OC13S,13M, S.C. MEDIUM ANGLE STRUCTURE 16°-60° WITH STAYS FOR MERLIN MAIN CONDUCTOR



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SERIAL NO.	QTY	BILL OF MATERIALS DESCRIPTION	REFERE	ENCES
01	1	OC13S — 13 Meter Steel Pole, HDG, Single Circuit	20-SDMS-01	Page 35
02	2	Crossarm — L 100x100x12x2400mm L.G.	20-SDMS-02	Fig. 01
03	2	Brace — L 50x50x4x828mm L.G.	20-SDMS-02	Fig. 04
04	2	Brace — L 50x50x4x828mm L.G. With One End Clipped	20-SDMS-02	Fig. 04
05	2	Line Post Insulator	15-SDMS-01	Clause 4.
06	6 Set	Suspension Insulator	15-SDMS-01	Page 23
07	10	Machine Bolt, M20x60mm W/1 Nut, 2 Flat Washers & 1 Spring Washer	20-SDMS-02	Fig. 15
80	2	Machine Bolt, M20x225mm W/1 Nut, 2 Flat Washers & 1 Spring Washer	20-SDMS-02	Fig. 15
09	3	Parallel Groove Comp. Connector for 67.44mm2 ACSR/AW (Quail)	20-SDMS-02	Fig. 39
10	1	Parallel Groove Comp. Connector for 67.44mm2 ACSR/AW (Quail)	20-SDMS-02	Fig. 39
11	2	Strain Clamp, Straight Line Deadend Type for Quail	20-SDMS-02	Fig. 30
12	6	Strain Clamp, 3 U-Bolts Type for Quail	20-SDMS-02	Fig. 29
13	6	Anchor Shackle	20-SDMS-02	Fig. 20
14	6	Clevis Eye Extension	20-SDMS-02	Fig. 21
15	1	Shoulder Eye Bolt, M20x260mm W/2 Nuts, 1 Flat & 1 Spring Washers	20-SDMS-02	Fig. 17
16	2	Preformed Line Post Insulator Top Tie for Quail ACSR/AW	20-SDMS-02	Fig. 35
17	3	Double Arming Plate, 100x12x700mm	20-SDMS-02	Fig. 7
18	1	Eye Nut For M20	20-SDMS-02	Fig. 19
19	30M	Stay Wire 7/4, 12mm Dia. HDG Steel, UTS 101kN (Min)		
20	1 Set	M.V.—S.C. Two Stay Assembly	20-SDMS-02	Drw. 303
21	1 Set	Danger Sign Plate Complete With Its Accessories	20-SDMS-02	Fig. 49/5
22	16M	Anti—Climbing Device, Barbed Wire	20-SDMS-02	Fig. 13
23	2	Buckle Type, Locking Clip for Barbed Wire	20-SDMS-02	Fig. 13
24	1 Set	Pole Numbering Base Plate	20-SDMS-02	Fig. 51
25	1 Set	Pole Numbering Plates	20-SDMS-02	Fig. 51
-		67.44mm2 ACSR/AW, QUAIL		

DRW.010B-OC13S,13M, S.C. MEDIUM ANGLE STRUCTURE 16°-60° WITH TWO STAYS FOR QUAIL MAIN CONDUCTOR

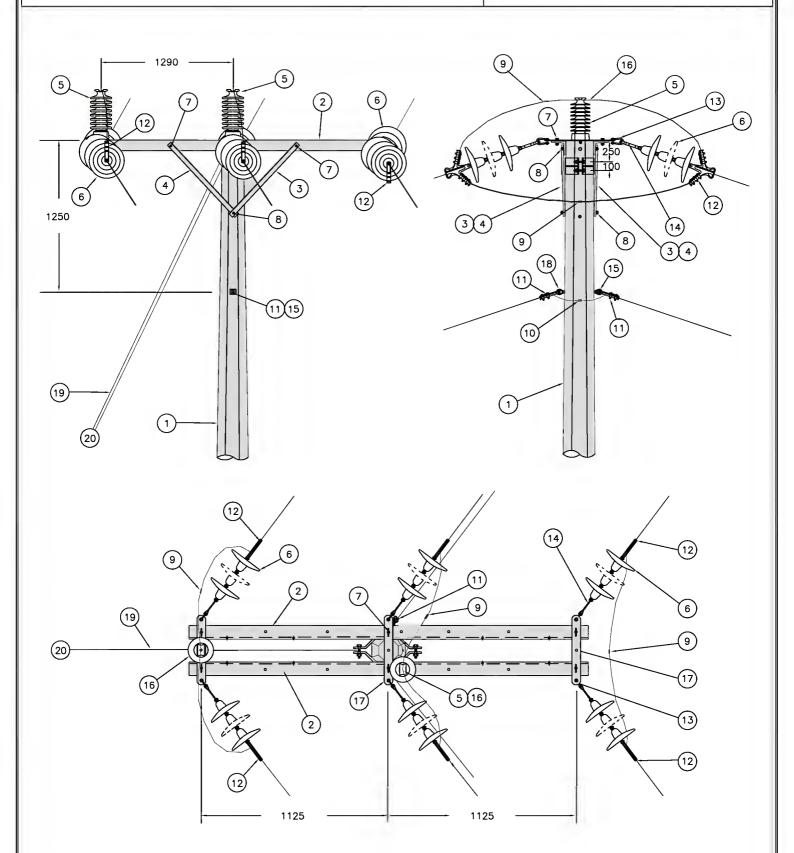


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DRW.011-OC13S, 13M, SINGLE CIRCUIT, HEAVY ANGLE STRUCTURE, 61°-90° WITH TWO STAYS



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01	1	OC13S — 13 Meter Steel Pole, HDG, Single Circuit	20-SDMS-01	Page 35
02	2	Crossarm - L 100x100x12x2400mm L.G.	20-SDMS-02	Fig. 01
03	2	Brace — L 50x50x4x828mm L.G.	20-SDMS-02	Fig. 04
04	2	Brace — L 50x50x4x828mm L.G. With One End Clipped	20-SDMS-02	Fig. 04
05	2	Line Post Insulator	15-SDMS-01	Clause 4.
06	6 Set	Suspension Insulator	15-SDMS-01	Page 23
07	10	Machine Bolt, M20x60mm W/1 Nut, 2 Flat Washers & 1 Spring Washer	20-SDMS-02	Fig. 15
08	2	Machine Bolt, M20x225mm W/1 Nut, 2 Flat Washers & 1 Spring Washer	20-SDMS-02	Fig. 15
09	3	Parallel Groove Comp. Connector for 170.5mm2 ACSR/AW (Merlin)	20-SDMS-02	Fig. 39
10	1	Parallel Groove Comp. Connector for 67.44mm2 ACSR/AW (Quail)	20-SDMS-02	Fig. 39
11	2	Strain Clamp, Straight Line Deadend Type for Quail	20-SDMS-02	Fig. 30
12	6	Strain Clamp, 3 U—Bolts Type for Merlin	20-SDMS-02	Fig. 29
13	6	Anchor Shackle	20-SDMS-02	Fig. 20
14	6	Clevis Eye Extension	20-SDMS-02	Fig. 21
15	1	Shoulder Eye Bolt, M20x260mm W/2 Nuts, 1 Flat & 1 Spring Washers	20-SDMS-02	Fig. 17
16	2	Preformed Line Post Insulator Top Tie for Merlin ACSR/AW	20-SDMS-02	Fig. 35
17	3	Double Arming Plate, 100x12x700mm	20-SDMS-02	Fig. 7
18	1	Eye Nut For M20	20-SDMS-02	Fig. 19
19	30M	Stay Wire 7/4, 12mm Dia. HDG Steel, UTS 101kN (Min)		
20	1 Set	M.V.—S.C. Two Stay Assembly	20-SDMS-02	Drw. 303
21	1 Set	Danger Sign Plate Complete With Its Accessories	20-SDMS-02	Fig. 49/5
22	16M	Anti-Climbing Device, Barbed Wire	20-SDMS-02	Fig. 13
23	2	Buckle Type, Locking Clip for Barbed Wire	20-SDMS-02	Fig. 13
24	1 Set	Pole Numbering Base Plate	20-SDMS-02	Fig. 51
25	1 Set	Pole Numbering Plates	20-SDMS-02	Fig. 51
		170.5mm2 ACSR/AW, MERLIN		

DRW.011A-OC13S, 13M, S.C. HEAVY ANGLE STRUCTURE 61°-90° WITH STAYS FOR MERLIN MAIN CONDUCTOR



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01	1	OC13S — 13 Meter Steel Pole, HDG, Single Circuit	20-SDMS-01	Page 35
02	2	Crossarm — L 100x100x12x2400mm L.G.	20-SDMS-02	Fig. 01
03	2	Brace — L 50x50x4x828mm L.G.	20-SDMS-02	Fig. 04
04	2	Brace — L 50x50x4x828mm L.G. With One End Clipped	20-SDMS-02	Fig. 04
05	2	Line Post Insulator	15-SDMS-01	Clause 4.2.8
06	6 Set	Suspension Insulator	15-SDMS-01	Page 23
07	10	Machine Bolt, M20x60mm W/1 Nut, 2 Flat Washers & 1 Spring Washer	20-SDMS-02	Fig. 15
08	2	Machine Bolt, M20x225mm W/1 Nut, 2 Flat Washers & 1 Spring Washer	20-SDMS-02	Fig. 15
09	3	Parallel Groove Comp. Connector for 67.44mm2 ACSR/AW (Quail)	20-SDMS-02	Fig. 39
10	1	Parallel Groove Comp. Connector for 67.44mm2 ACSR/AW (Quail)	20-SDMS-02	Fig. 39
11	2	Strain Clamp, Straight Line Deadend Type for Quail	20-SDMS-02	Fig. 30
12	6	Strain Clamp, 3 U—Bolts Type for Quail	20-SDMS-02	Fig. 29
13	6	Anchor Shackle	20-SDMS-02	Fig. 20
14	6	Clevis Eye Extension	20-SDMS-02	Fig. 21
15	1	Shoulder Eye Bolt, M20x260mm W/2 Nuts, 1 Flat & 1 Spring Washers	20-SDMS-02	Fig. 17
16	2	Preformed Line Post Insulator Top Tie for Quail ACSR/AW	20-SDMS-02	Fig. 35
17	3	Double Arming Plate, 100x12x700mm	20-SDMS-02	Fig. 7
18	1	Eye Nut For M20	20-SDMS-02	Fig. 19
19	30М	Stay Wire 7/4, 12mm Dia. HDG Steel, UTS 101kN (Min)		
20	1 Set	M.V.—S.C. Two Stay Assembly	20-SDMS-02	Drw. 303
21	1 Set	Danger Sign Plate Complete With Its Accessories	20-SDMS-02	Fig. 49/50
22	16M	Anti-Climbing Device, Barbed Wire	20-SDMS-02	Fig. 13
23	2	Buckle Type, Locking Clip for Barbed Wire	20-SDMS-02	Fig. 13
24	1 Set	Pole Numbering Base Plate	20-SDMS-02	Fig. 51
25	1 Set	Pole Numbering Plates	20-SDMS-02	Fig. 51
		67.44mm2 ACSR/AW, QUAIL		

DRW.011B-OC13S, 13M, S.C. HEAVY ANGLE STRUCTURE 61°-90° WITH TWO STAYS FOR QUAIL MAIN CONDUCTOR



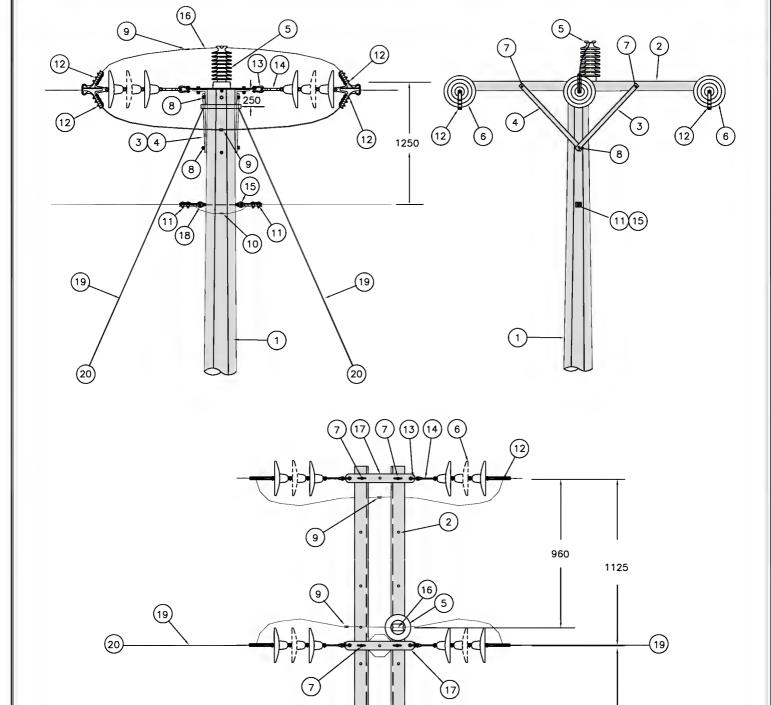
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DRW.012-OC13S, 13M, SINGLE CIRCUIT, SECTION STRUCTURE WITH STAYS

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SERIAL NO.	QTY	BILL OF MATERIALS DESCRIPTION	REFERE	NCES
01	1	OC13S — 13 Meter Steel Pole, HDG, Single Circuit	20-SDMS-01	Page 35
02	2	Crossorm – L 100x100x12x2400mm L.G.	20-SDMS-02	Fig. 01
03	2	Broce - L 50x50x4x828mm L.G.	20-SDMS-02	Fig. 04
04	2	Broce — L 50x50x4x828mm L.G. With One End Clipped	20-SDMS-02	Fig. 04
05	1	Line Post Insulotor	15-SDMS-01	Clause 4.2.8
06	6 Set	Suspension Insulator	15-SDMS-01	Page 23
07	10	Machine Bolt, M20x60mm W/1 Nut, 2 Flat Woshers & 1 Spring Washer	20-SDMS-02	Fig. 15
08	2	Mochine Bolt, M20x225mm W/1 Nut, 2 Flot Woshers & 1 Spring Wosher	20-SDMS-02	Fig. 15
09	3	Porollel Groove Comp. Connector for 170.5mm2 ACSR/AW (Merlin)	20-SDMS-02	Fig. 39
10	1	Parallel Groove Comp. Connector for 67.44mm2 ACSR/AW (Quail)	20-SDMS-02	Fig. 39
11	2	Stroin Clomp, Stroight Line Deodend Type for Quoil	20-SDMS-02	Fig. 30
12	6	Strain Clamp, 3 U—Bolts Type for Merlin	20-SDMS-02	Fig. 29
13	6	Anchor Shockle	20-SDMS-02	Fig. 20
14	6	Clevis Eye Extension	20-SDMS-02	Fig. 21
15	1	Shoulder Eye Bolt, M20x260mm W/2 Nuts, 1 Flot & 1 Spring Woshers	20-SDMS-02	Fig. 17
16	1	Preformed Line Post Insulotor Top Tie For Merlin ACSR/AW	20-SDMS-02	Fig. 35
17	3	Double Arming Plote, 100x12x700mm	20-SDMS-02	Fig. 7
18	1	Eye Nut For M20	20-SDMS-02	Fig. 19
19	30M	Stoy Wire 7/4, 12mm Dio. HDG Steel, UTS 101kN (Min)		
20	1 Set	MV, SC Section Stoy Assembly	20-SDMS-02	Drw. 304
21	1 Set	Donger Sign Plote Complete With Its Accessories	20-SDMS-02	Fig. 49/50
22	16M	Anti—Climbing Device, Barbed Wire	20-SDMS-02	Fig. 13
23	2	Buckle Type, Locking Clip for Borbed Wire	20-SDMS-02	Fig. 13
24	1 Set	Pole Numbering Base Plate	20-SDMS-02	Fig. 51
25	1 Set	Pole Numbering Plotes	20-SDMS-02	Fig. 51
•				
-				
		170.5mm2 ACSR/AW, MERLIN		
-				

DRW.012A-OC13S, 13M, SINGLE CIRCUIT, SECTION STRUCTURE WITH STAYS FOR MERLIN MAIN CONDUCTOR



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01	1	OC13S — 13 Meter Steel Pole, HDG, Single Circuit	20-SDMS-01	Page 35
02	2	Crossorm – L 100x100x12x2400mm L.G.	20-SDMS-02	Fig. 01
03	2	Broce - L 50x50x4x828mm L.G.	20-SDMS-02	Fig. 04
04	2	Broce — L 50x50x4x828mm L.G. With One End Clipped	20-SDMS-02	Fig. 04
05	1	Line Post Insulotor	15-SDMS-01	Clause 4.2.8
06	6 Set	Suspension Insulator	15-SDMS-01	Page 23
07	10	Machine Bolt, M20x60mm W/1 Nut, 2 Flot Washers & 1 Spring Washer	20-SDMS-02	Fig. 15
08	2	Mochine Bolt, M20x225mm W/1 Nut, 2 Flot Woshers & 1 Spring Wosher	20-SDMS-02	Fig. 15
09	3	Porollel Groove Comp. Connector for 67.44mm2 ACSR/AW (Quoil)	20-SDMS-02	Fig. 39
10	1	Parallel Groove Comp. Connector for 67.44mm2 ACSR/AW (Quail)	20-SDMS-02	Fig. 39
11	2	Stroin Clomp, Stroight Line Deodend Type for Quoil	20-SDMS-02	Fig. 30
12	6	Strain Clamp, 3 U—Bolts Type for Quail	20-SDMS-02	Fig. 29
13	6	Anchor Shockle	20-SDMS-02	Fig. 20
14	6	Clevis Eye Extension	20-SDMS-02	Fig. 21
15	1	Shoulder Eye Bolt, M20x260mm W/2 Nuts, 1 Flot & 1 Spring Woshers	20-SDMS-02	Fig. 17
16	1	Preformed Line Post Insulotor Top Tie For Quoil ACSR/AW	20-SDMS-02	Fig. 35
17	3	Double Arming Plote, 100x12x700mm	20-SDMS-02	Fig. 07
18	1	Eye Nut For M20	20-SDMS-02	Fig. 19
19	30M	M.V. Stay Wire 7/4, 12mm Dia. HDG Steel, UTS 101kN (Min)		
20	1 Set	MV, SC Section Stoy Assembly	20-SDMS-02	Drw. 304
21	1 Set	Donger Sign Plote Complete With Its Accessories	20-SDMS-02	Fig. 49/50
22	16M	Anti-Climbing Device, Barbed Wire	20-SDMS-02	Fig. 13
23	2	Buckle Type, Locking Clip for Borbed Wire	20-SDMS-02	Fig. 13
24	1 Set	Pole Numbering Base Plate	20-SDMS-02	Fig. 51
25	1 Set	Pole Numbering Plates	20-SDMS-02	Fig. 51
		67.44mm2 ACSR/AW, QUAIL		

DRW.012B-OC13S, 13M, SINGLE CIRCUIT, SECTION STRUCTURE WITH STAYS FOR QUAIL MAIN CONDUCTOR

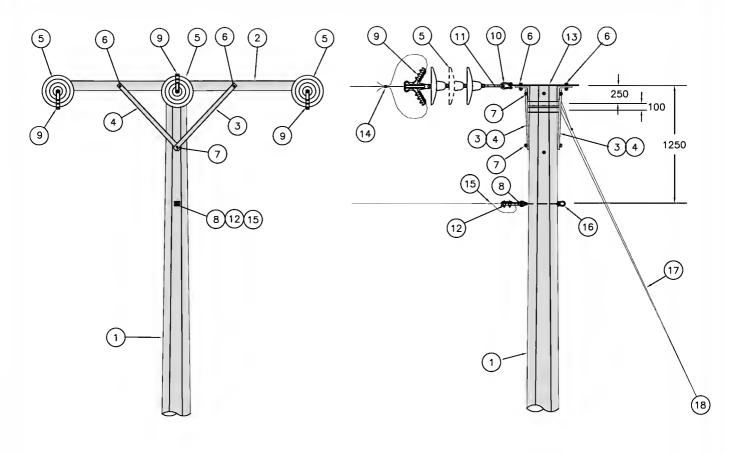


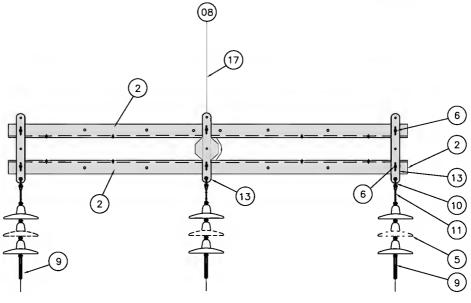
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DRW.013-OC13S, 13M, SINGLE CIRCUIT, TERMINAL STRUCTURE W/TWO STAYS



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SERIAL	QTY	TY BILL OF MATERIALS DESCRIPTION REFERENCES		NCES
NO.	1	OC13S - 13 Meter Steel Pale, HDG, Single Circuit	20-SDMS-01	Page 35
02	2	Crassarm - L 100x100x12x2400mm L.G.	20-SDMS-02	Fig. 01
03		Brace - L 50x50x4x828mm L.G.	20-SDMS-02 20-SDMS-02	Fig. 04
04	2	Brace - L 50x50x4x828mm L.G. With One End Clipped	20-SDMS-02	Fig. 04
05	3 Set	Suspensian Insulatar	15-SDMS-01	Page 23
06		Machine Balt, M20x60mm W/1 Nut, 2 Flat Washers & 1 Sring Washer		-
07	10	Machine Balt, M20x225mm W/1 Nut, 2 Flat Washers & 1 Spring Washer	20-SDMS-02	Fig. 15
08	2		20-SDMS-02 20-SDMS-02	Fig. 15
09	1	Strain Clamp, Straight Line Deadend Type far Quail		Fig. 30
	3	Strain Clamp, 3 U—Balts Type far Merlin Anchar Shackle	20-SDMS-02	Fig. 29
10	3		20-SDMS-02	Fig. 20
12		Clevis Eye Extensian	20-SDMS-02	Fig. 21
-	1	Shoulder Eye Bolt, M20x260mm, W/2 Nuts, 1 Flat & 1 Spring Washers	20-SDMS-02	Fig. 17
13	3	Double Arming Plate, 100x12x700mm	20-SDMS-02	Fig. 7
14 15	3	Parallel Graave Clamp, Three Balts Type far Merlin ACSR Canductar	20-SDMS-02	Fig.
	1	Parallel Graave Clamp, Twa Balts Type far Quail ACSR Canductar	20-SDMS-02	-
16	7014	Eye Nut far M20	20-SDMS-02	Fig. 19
17	30M	Stay Wire 7/4, 12mm Dia. HDG Steel, UTS 101kN (Min)		
18	1 Set	M.VS.C. Twa Stay Assembly	20-SDMS-02	Drw. 303
19	1 Set	Danger Sign Plate Camplete With Its Accessaries	20-SDMS-02	Fig. 49/50
20	16M	Anti-Climbing Device, Barbed Wire	20-SDMS-02	Fig. 13
21	2	Buckle Type, Locking Clip for Barbed Wire	20-SDMS-02	Fig. 13
22	1 Set	Pole Numbering Base Plate	20-SDMS-02	Fig. 51
23	1 Set	Pale Numbering Plates	20-SDMS-02	Fig. 51
		170.5mm2 ACSR/AW, MERLIN		

DRW.013A-OC13S, 13M, SINGLE CIRCUIT, TERMINAL STRUCTURE WITH TWO STAYS FOR MERLIN MAIN CONDUCTOR



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SERIAL NO.	QTY	BILL OF MATERIALS DESCRIPTION REFERENCE		NCES	
01	1	OC13S — 13 Meter Steel Pale, HDG, Single Circuit	20-SDMS-01	Page 35	
02	2	Crassarm — L 100x100x12x2400mm L.G.	20-SDMS-02	Fig. 01	
03	2	Brace — L 50x50x4x828mm L.G.	20-SDMS-02	Fig. 04	
04	2	Brace — L 50x50x4x828mm L.G. With One End Clipped	20-SDMS-02	Fig. 04	
05	3 Set	Suspensian Insulatar	15-SDMS-01	Page 23	
06	10	Machine Balt, M20x60mm W/1 Nut, 2 Flat Washers & 1 Sring Washer	20-SDMS-02	Fig. 15	
07	2	Machine Balt, M20x225mm W/1 Nut, 2 Flat Washers & 1 Spring Washer	20-SDMS-02	Fig. 15	
08	1	Strain Clamp, Straight Line Deadend Type for Quail	20-SDMS-02	Fig. 30	
09	3	Strain Clamp, 3 U—Balts Type far Quail	20-SDMS-02	Fig. 29	
10	3	Anchar Shackle	20-SDMS-02	Fig. 20	
11	3	Clevis Eye Extensian	20-SDMS-02	Fig. 21	
12	1	Shoulder Eye Bolt, M20x260mm, W/2 Nuts, 1 Flat & 1 Spring Washers	20-SDMS-02	Fig. 17	
13	3	Double Arming Plate, 100x12x700mm	20-SDMS-02	Fig. 7	
14	3	Parallel Graave Clamp, Twa Balts Type far Quail ACSR Canductar	20-SDMS-02	Fig.	
15	1	Parallel Graave Clamp, Twa Balts Type far Quail ACSR Canductar	20-SDMS-02	Fig.	
16	1	Eye Nut far M20	20-SDMS-02	Fig. 19	
17	30M	Stay Wire 7/4, 12mm Dia. HDG Steel, UTS 101kN (Min)			
18	1 Set	M.VS.C. Twa Stay Assembly	20-SDMS-02	Drw. 303	
19	1 Set	Danger Sign Plate Camplete With Its Accessaries	20-SDMS-02	Fig. 49/50	
20	16M	Anti-Climbing Device, Barbed Wire	20-SDMS-02	Fig. 13	
21	2	Buckle Type, Locking Clip for Barbed Wire	20-SDMS-02	Fig. 13	
22	1 Set	Pole Numbering Base Plate	20-SDMS-02	Fig. 51	
23	1 Set	Pale Numbering Plates	20-SDMS-02	Fig. 51	
•					
		67.44mm2 ACSR/AW, QUAIL			
		,			

DRW.013B-OC13S, 13M, SINGLE CIRCUIT, TERMINAL STRUCTURE WITH TWO STAYS FOR QUAIL MAIN CONDUCTOR



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DRW.014-OC13S, 13M, S.C. DOUBLE TERMINAL AT 90° STRUCTURE WITH STAYS



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SERIAL NO.	QTY	BILL OF MATERIALS DESCRIPTION REFERENCES		NCES
01	1	OC13S — 13 Meter Steel Pole, HDG, Single Circuit	20-SDMS-01	Page 35
02	4	Crossarm — L 100x100x12x2400mm L.G.	20-SDMS-02	Fig. 01
03	4	Brace — L 50x50x4x828mm L.G.	20-SDMS-02	Fig. 04
04	4	Brace — L 50x50x4x828mm L.G. With One End Clipped	20-SDMS-02	Fig. 04
05	3	Line Post Insulator	15-SDMS-01	Clause 4.2.8
06	6 Set	Suspension Insulator	15-SDMS-01	Page 23
07	3	Parallel Groove Compression Connector for Merlin — Merlin	20-SDMS-02	Fig. 39
08	1	Parallel Groove Compression Connector for Quail	20-SDMS-02	Fig. 39
09	22	Machine Bolt, M20x60mm With Nut, 2 Flat Washer & 1 Spring Washer	20-SDMS-02	Fig. 15
10	2	Machine Bolt, M20x225mm With Nut, 2 Flat Washer & 1 Spring Washer	20-SDMS-02	Fig. 15
11	3	Machine Bolt, M20x265mm With Nut, 2 Flat Washer & 1 Spring Washer	20-SDMS-02	Fig. 15
12	2	Strain Clamp, Straight Line Deadend Type for Quail	20-SDMS-02	Fig. 30
13	6	Strain Clamp, 3 U—Bolts Type for Merlin	20-SDMS-02	Fig. 29
14	8	Anchor Shackle	20-SDMS-02	Fig. 20
15	6	Clevis Eye Extension	20-SDMS-02	Fig. 21
16	1	Earthwire Suspension Support	20-SDMS-02	Fig. 5
17	3	Preformed Line Post Insulator Top Tie for Merlin ACSR/AW	20-SDMS-02	Fig. 35
18	7	Double Arming Plate, 100x12x700mm	20-SDMS-02	Fig. 7
19	2 Set	Phasing Plates (A,B,C)	20-SDMS-02	Fig. 53/54
20	56M	Stay Wire 7/4, 12mm Dia. HDG Steel, UTS 101kN (Min)		_
21	1 Set	M.V.—S.C. Two Stay Assembly	20-SDMS-02	Drw. 303
22	2 Set	M.V.—S.C. One Stay Assembly	20-SDMS-02	Drw. 302
23	1 Set	Danger Sign Plate Complete With Its Accessories	20-SDMS-02	Fig. 49/50
24	16M	Anti-Climbing Device, Barbed Wire	20-SDMS-02	Fig. 13
25	2	Buckle Type, Locking Clip for Barbed Wire	20-SDMS-02	Fig. 13
26	1 Set	Pole Numbering Base Plate	20-SDMS-02	Fig. 51
27	1 Set	Pole Numbering Plates	20-SDMS-02	Fig. 51
		170.5mm2 ACSR/AW, MERLIN		

DRW.014A-OC13S, 13M, S.C. DOUBLE TERMINAL AT 90° WITH STAYS FOR MERLIN MAIN & MERLIN



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SERIAL NO.	QTY	BILL OF MATERIALS DESCRIPTION REFERENCES		NCES
01	1	OC13S — 13 Meter Steel Pole, HDG, Single Circuit	20-SDMS-01	Page 35
02	4	Crossarm — L 100x100x12x2400mm L.G.	20-SDMS-02	Fig. 01
03	4	Brace — L 50x50x4x828mm L.G.	20-SDMS-02	Fig. 04
04	4	Brace — L 50x50x4x828mm L.G. With One End Clipped	20-SDMS-02	Fig. 04
05	3	Line Post Insulator	15-SDMS-01	Clause 4.2.8
06	6 Set	Suspension Insulator	15-SDMS-01	Page 23
07	3	Parallel Groove Compression Connector for Quail — Quail	20-SDMS-02	Fig. 39
08	1	Parallel Groove Compression Connector for Quail	20-SDMS-02	Fig. 39
09	22	Machine Bolt, M20x60mm With Nut, 2 Flat Washer & 1 Spring Washer	20-SDMS-02	Fig. 15
10	2	Machine Bolt, M20x225mm With Nut, 2 Flat Washer & 1 Spring Washer	20-SDMS-02	Fig. 15
11	3	Machine Bolt, M20x265mm With Nut, 2 Flat Washer & 1 Spring Washer	20-SDMS-02	Fig. 15
12	2	Strain Clamp, Straight Line Deadend Type for Quail	20-SDMS-02	Fig. 30
13	6	Strain Clamp, 3 U—Bolts Type for Quail	20-SDMS-02	Fig. 29
14	8	Anchor Shackle	20-SDMS-02	Fig. 20
15	6	Clevis Eye Extension	20-SDMS-02	Fig. 21
16	1	Earthwire Suspension Support	20-SDMS-02	Fig. 5
17	3	Preformed Line Post Insulator Top Tie for Quail ACSR/AW	20-SDMS-02	Fig. 35
18	7	Double Arming Plate, 100x12x700mm	20-SDMS-02	Fig. 07
19	2 Set	Phasing Plates (A,B,C)	20-SDMS-02	Fig. 53/54
20	56M	Stay Wire 7/4, 12mm Dia. HDG Steel, UTS 101kN (Min)		
21	1 Set	M.VS.C. Two Stay Assembly	20-SDMS-02	Drw. 303
22	2 Set	M.V.—S.C One Stay Assembly	20-SDMS-02	Drw. 302
23	1 Set	Danger Sign Plate Complete With Its Accessories	20-SDMS-02	Fig. 49/50
24	16M	Anti-Climbing Device, Barbed Wire	20-SDMS-02	Fig. 13
25	2	Buckle Type, Locking Clip for Barbed Wire	20-SDMS-02	Fig. 13
26	1 Set	Pole Numbering Base Plate	20-SDMS-02	Fig. 51
27	1 Set	Pole Numbering Plates	20-SDMS-02	Fig. 51
		67.44mm2 ACSR/AW, QUAIL		

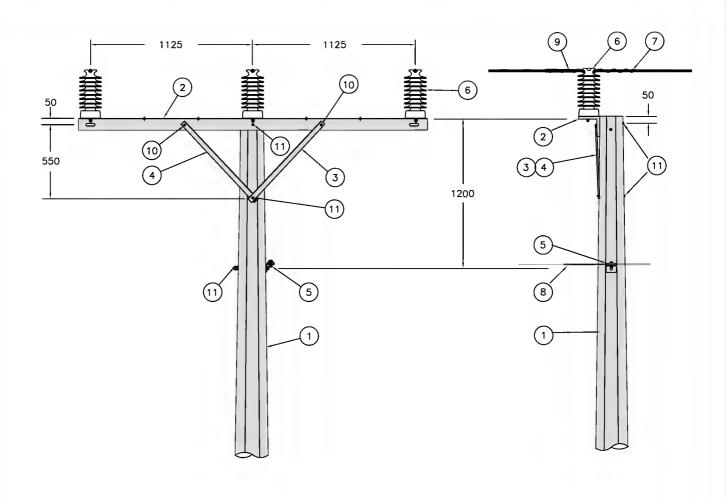
DRW.014B-OC13S, 13M, S.C. DOUBLE TERMINAL AT 90° WITH STAYS FOR QUAIL MAIN & QUAIL

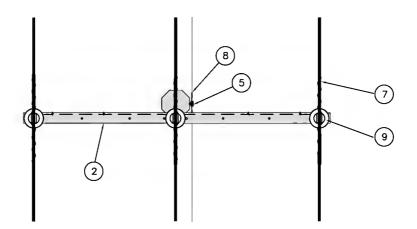


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DRW.015-OC14S, 14M, SINGLE CIRCUIT, INTERMEDIATE STRUCTURE, 0°-5°



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SERIAL NO. BILL OF MATERIALS DESCRIPTION		REFEREN	ICES	
01	1	OC14S - 14 Meter Steel Pole, HDG, Single Circuit	20-SDMS-01	Page 36
02	1	Crossarm — L 100x100x12x2400mm L.G.	20-SDMS-02	Fig. 01
03	1	Brace — L 50x50x4x828mm L.G.	20-SDMS-02	Fig. 04
04	1	Brace — L 50x50x4x828mm L.G. With One End Clipped	20-SDMS-02	Fig. 04
05	1	Earthwire Support Plate	20-SDMS-02	Fig. 06
06	3	Line Post Insulator	15-SDMS-01	Clause 4
07	3 Set	Preformed Armour Rods For 170.5mm2 ACSR/AW (Merlin)	20-SDMS-02	Fig. 38
80	1 Set	Preformed Armour Rods For 67.44mm2 ACSR/AW (Quail)	20-SDMS-02	Fig. 38
09	3 Set	Preformed Line Post Insulator Top Tie for Merlin ACSR/AW With Armour	20-SDMS-02	Fig. 35
10	2	Machine Bolt, M20x60mm W/1 Nut, 2 Flat Washers & 1 Spring Washer	20-SDMS-02	Fig. 15
11	3	Machine Bolt, M20x225mm W/1 Nut, 2 Flat Washers & 1 Spring Washer	20-SDMS-02	Fig. 15
12	1 Set	Danger Sign Plate Complete With Its Accessories	20-SDMS-02	Fig. 49/
13	17M	Anti-Climbing Device, Barbed Wire	20-SDMS-02	Fig. 13
14	2	Buckle Type, Locking Clip for Barbed Wire	20-SDMS-02	Fig. 13
15	1 Set	Pole Numbering Base Plate	20-SDMS-02	Fig. 51
16	1 Set	Pole Numbering Plates	20-SDMS-02	Fig. 51
	1	-		

DRW.015A-OC14S,14M, SINGLE CIRCUIT, INTERMEDIATE STRUCTURE, 0°-5° FOR MERLIN MAIN CONDUCTOR



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SERIAL NO.	QTY	BILL OF MATERIALS DESCRIPTION	REFEREN	ICES
01	1	OC14S - 14 Meter Steel Pole, HDG, Single Circuit	20-SDMS-01	Page 36
02	1	Crossarm - L 100x100x12x2400mm L.G.	20-SDMS-02	Fig. 01
03	1	Brace - L 50x50x4x828mm L.G.	20-SDMS-02	Fig. 04
04	1	Brace — L 50x50x4x828mm L.G. With One End Clipped	20-SDMS-02	Fig. 04
05	1	Earthwire Support Plate	20-SDMS-02	Fig. 06
06	3	Line Post Insulator	15-SDMS-01	Clause 4.2
07	3 Set	Preformed Armour Rods For 67.44mm2 ACSR/AW, (Quail)	20-SDMS-02	Fig. 38
08	1 Set	Preformed Armour Rods For 67.44mm2 ACSR/AW (Quail)	20-SDMS-02	Fig. 38
09	3 Set	Preformed Line Post Insulator Top Tie for Quail ACSR/AW With Armour	20-SDMS-02	Fig. 35
10	2	Machine Bolt, M20x60mm W/1 Nut, 2 Flat Washers & 1 Spring Washer	20-SDMS-02	Fig. 15
11	1 3 Machine Bolt, M20x225mm W/1 Nut, 2 Flat Washers & 1 Spring Wash		20-SDMS-02	Fig. 15
12	1 Set	Danger Sign Plate Complete With Its Accessories	20-SDMS-02	Fig. 49/5
13	13 17M Anti-Climbing Device, Barbed Wire		20-SDMS-02	Fig. 13
14	14 2 Buckle Type, Locking Clip for Barbed Wire		20-SDMS-02	Fig. 13
15	1 Set	Pole Numbering Base Plate	20-SDMS-02	Fig. 51
16	1 Set	Pole Numbering Plates	20-SDMS-02	Fig. 51
7				
7				
		67.44mm2 ACSR/AW, QUAIL		

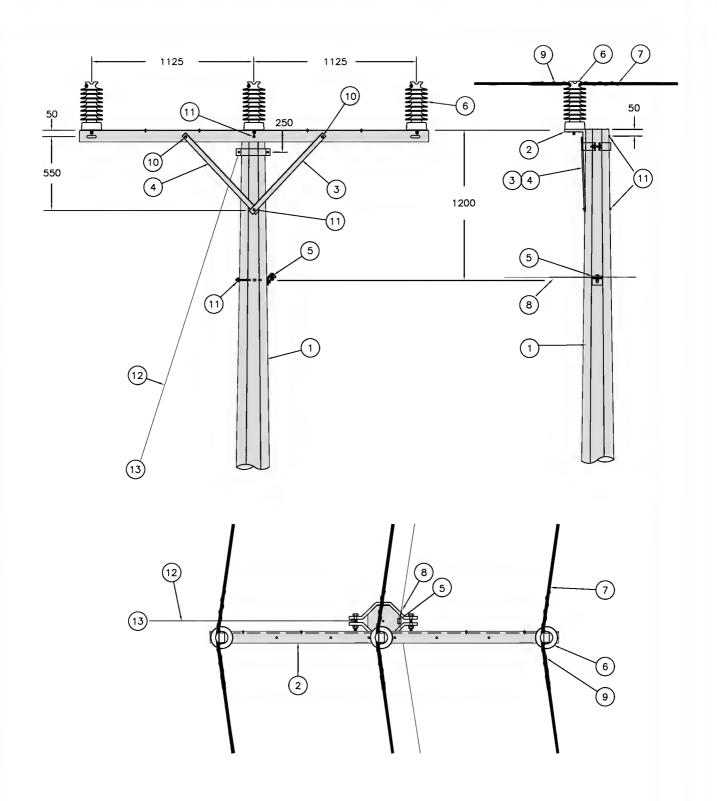
DRW.015B-OC14S, 14M, SINGLE CIRCUIT, INTERMEDIATE STRUCTURE, 0°-5° FOR QUAIL MAIN CONDUCTOR



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DRW.016-OC14S, 14M, S.C. LIGHT ANGLE STRUCTURE 6°-15° W/ONE STAY



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SERIAL NO.	QTY	PTY BILL OF MATERIALS DESCRIPTION		REFERENCES	
01	1	OC14S - 14 Meter Steel Pole, HDG, Single Circuit	20-SDMS-01	Page 36	
02	1	Crossarm - L 100x100x12x2400mm L.G.	20-SDMS-02	Fig. 01	
03	1	Brace — L 50x50x4x828mm L.G.	20-SDMS-02	Fig. 04	
04	1	Brace — L 50x50x4x828mm L.G. With One End Clipped	20-SDMS-02	Fig. 04	
05	1	Earthwire Support Plate	20-SDMS-02	Fig. 06	
06	3	Line Post Insulator	15-SDMS-01	Clause 4.	
07	3 Set	Preformed Armour Rods For 170.5mm2 ACSR/AW (Merlin)	20-SDMS-02	Fig. 38	
08	1 Set	Preformed Armour Rods For 67.44mm2 ACSR/AW (Quail)	20-SDMS-02	Fig. 38	
09	3 Set	Preformed Line Post Insulator Side Tie for Merlin ACSR/AW With Armour	20-SDMS-02	Fig. 36	
10	2	Machine Bolt, M20x60mm W/1 Nut, 2 Flat Washers & 1 Spring Washer	20-SDMS-02	Fig. 15	
11	3	Machine Bolt, M20x225mm W/1 Nut, 2 Flat Washers & 1 Spring Washer	20-SDMS-02	Fig. 15	
12	16M	Stay Wire 7/4, 12mm Dia. HDG Steel, UTS 101kN (Min.)			
13	1 Set	M.V.—S.C. One Stay Assembly	20-SDMS-02	Drw. 302	
14	1 Set	Danger Sign Plate Complete With Its Accessories	20-SDMS-02	Fig. 49/5	
15	15 17M Anti-Climbing Device, Barbed Wire		20-SDMS-02	Fig. 13	
16	2	Buckle Type, Locking Clip for Barbed Wire	20-SDMS-02	Fig. 13	
17	1 Set	Pole Numbering Base Plates	20-SDMS-02	Fig. 51	
18	1 Set	Pole Numbering Plates	20-SDMS-02	Fig. 51	
				_	
-					
		170.5mm2 ACSR/AW, MERLIN			

DRW.016A-OC14S, 14M, SINGLE CIRCUIT, LIGHT ANGLE STRUCTURE 6°-15° WITH ONE STAY FOR MERLIN MAIN CONDUCTOR



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SERIAL NO.	QTY	QTY BILL OF MATERIALS DESCRIPTION		ICES
01	1	OC14S - 14 Meter Steel Pole, HDG, Single Circuit	20-SDMS-01	Page 36
02	1	Crossarm — L 100x100x12x2400mm L.G.	20-SDMS-02	Fig. 01
03	1	Brace — L 50x50x4x828mm L.G.	20-SDMS-02	Fig. 04
04	1	Brace — L 50x50x4x828mm L.G. With One End Clipped	20-SDMS-02	Fig. 04
05	1	Earthwire Support Plate	20-SDMS-02	Fig. 06
06	3	Line Post Insulator	15-SDMS-01	Clause 4.2
07	3 Set	Preformed Armour Rods For 67.44mm2 ACSR/AW (Quail)	20-SDMS-02	Fig. 38
08 1 Se		Preformed Armour Rods For 67.44mm2 ACSR/AW (Quail)	20-SDMS-02	Fig. 38
09	3 Set	Preformed Line Post Insulator Side Tie for Quail ACSR/AW With Armour	20-SDMS-02	Fig. 36
10	2	Machine Bolt, M20x60mm W/1 Nut, 2 Flat Washers & 1 Spring Washer	20-SDMS-02	Fig. 15
11	3	Machine Bolt, M20x225mm W/1 Nut, 2 Flat Washers & 1 Spring Washer	20-SDMS-02	Fig. 15
12	16M	Stay Wire 7/4, 12mm Dia. HDG Steel, UTS 101kN (Min.)		
13	1 Set	M.V.—S.C. One Stay Assembly	20-SDMS-02	Drw. 302
14	1 Set	Danger Sign Plate Complete With Its Accessories	20-SDMS-02	Fig. 49/50
15			20-SDMS-02	Fig. 13
16			20-SDMS-02	Fig. 13
17	7 1 Set Pole Numbering Base Plate	20-SDMS-02	Fig. 51	
18	1 Set	Pole Numbering Plates	20-SDMS-02	Fig. 51
7				
1				
1				
	-			
		67.44mm2 ACSR/AW, QUAIL		

DRW.016B-OC14S, 14M, SINGLE CIRCUIT, LIGHT ANGLE STRUCTURE 6°-15° WITH ONE STAY FOR QUAIL MAIN CONDUCTOR



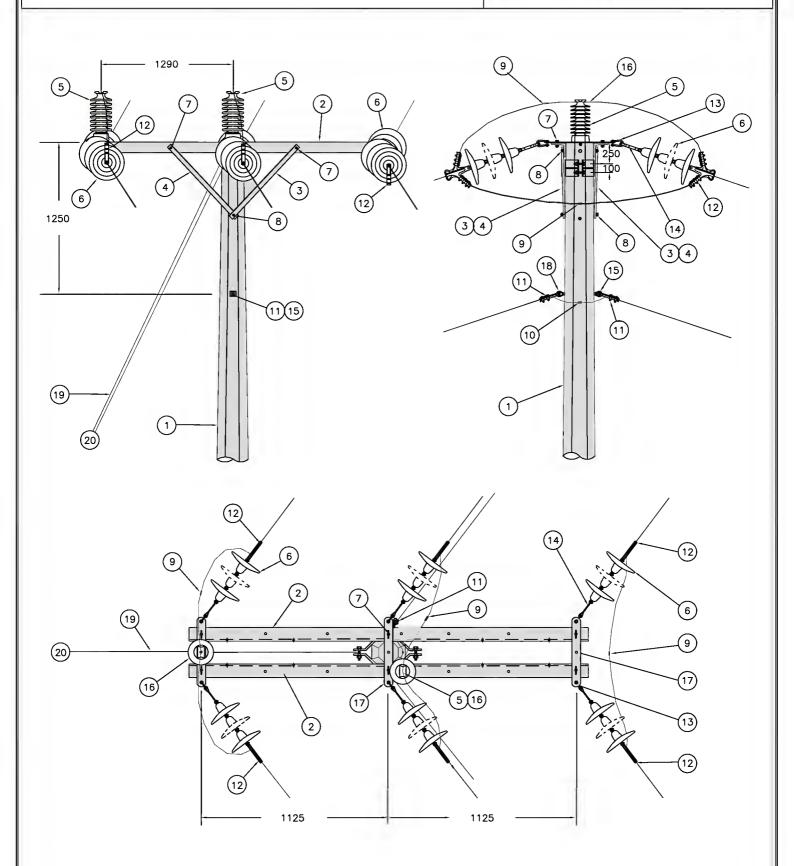
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DRW.017-OC14S, 14M, SINGLE CIRCUIT, MEDIUM ANGLE STRUCTURE, 16°-60° WITH TWO STAYS



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SERIAL NO.	QTY	BILL OF MATERIALS DESCRIPTION	REFERE	NCES	
01	1	OC14S — 14 Meter Steel Pole, HDG, Single Circuit	20-SDMS-01	Page 36	
02	2	Crossarm — L 100x100x12x2400mm L.G.	20-SDMS-02	Fig. 01	
03	2	Brace - L 50x50x4x828mm L.G.	20-SDMS-02	Fig. 04	
04	2	Brace — L 50x50x4x828mm L.G. With One End Clipped	20-SDMS-02	Fig. 04	
05	2	Line Post Insulator	15-SDMS-01	Clause 4.2.8	
06	6 Set	Suspension Insulator	15-SDMS-01	Page 23	
07	10	Machine Bolt, M20x60mm W/1 Nut, 2 Flat Washers & 1 Spring Washer	20-SDMS-02	Fig. 15	
08	2	Machine Bolt, M20x225mm W/1 Nut, 2 Flat Washers & 1 Spring Washer	20-SDMS-02	Fig. 15	
09	3	Parallel Groove Comp. Connector for 170.5mm2 ACSR/AW (Merlin)	20-SDMS-02	Fig. 39	
10	1	Parallel Groove Comp. Connector for 67.44mm2 ACSR/AW (Quail)	20-SDMS-02	Fig. 39	
11	2	Strain Clamp, Straight Line Deadend Type for Quail	20-SDMS-02	Fig. 30	
12	6	Strain Clamp, 3 U—Bolts Type for Merlin	20-SDMS-02	Fig. 29	
13	6	Anchor Shackle		Fig. 20	
14	6	Clevis Eye Extension	20-SDMS-02	Fig. 21	
15	1	Shoulder Eye Bolt, M20x260mm W/2 Nuts, 1 Flat & 1 Spring Washers		Fig. 17	
16	2 Preformed Line Post Insulator Top Tie for Merlin ACSR/AW		20-SDMS-02	Fig. 35	
17	3 Double Arming Plate, 100x12x700mm		20-SDMS-02	Fig. 07	
18	8 1 Eye Nut For M20		20-SDMS-02	Fig. 19	
19	32M Stay Wire 7/4, 12mm Dia. HDG Steel, UTS 101kN (Min)				
20	1 Set	M.V.—S.C. Two Stay Assembly	20-SDMS-02	Drw. 303	
21	1 Set	Danger Sign Plate Complete With Its Accessories	20-SDMS-02	Fig. 49/50	
22	17M	Anti-Climbing Device, Barbed Wire	20-SDMS-02	Fig. 13	
23	2	Buckle Type, Locking Clip for Barbed Wire	20-SDMS-02	Fig. 13	
24	1 Set	Pole Numbering Base Plate	20-SDMS-02	Fig. 51	
25	1 Set	Pole Numbering Plates	20-SDMS-02	Fig. 51	
		170.5mm2 ACSR/AW, MERLIN			

DRW.017A-OC14S,14M, SINGLE CIRCUIT, MEDIUM ANGLE STRUCTURE 16°-60° WITH STAYS FOR MERLIN MAIN CONDUCTOR



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SERIAL NO.	QTY BILL OF MATERIALS DESCRIPTION			REFERENCES	
01	1	OC14S — 14 Meter Steel Pole, HDG, Single Circuit	20-SDMS-01	Page 36	
02	2	Crossarm — L 100x100x12x2400mm L.G.	20-SDMS-02	Fig. 01	
03	2	Brace - L 50x50x4x828mm L.G.	20-SDMS-02	Fig. 04	
04	2	Brace — L 50x50x4x828mm L.G. With One End Clipped	20-SDMS-02	Fig. 04	
05	2	Line Post Insulator	15-SDMS-01	Clause 4.	
06	6 Set	Suspension Insulator	15-SDMS-01	Page 23	
07	10	Machine Bolt, M20x60mm W/1 Nut, 2 Flat Washers & 1 Spring Washer	20-SDMS-02	Fig. 15	
80	2	Machine Bolt, M20x225mm W/1 Nut, 2 Flat Washers & 1 Spring Washer	20-SDMS-02	Fig. 15	
09	3	Parallel Groove Comp. Connector for 67.44mm2 ACSR/AW (Quail)	20-SDMS-02	Fig. 39	
10	1	Parallel Groove Comp. Connector for 67.44mm2 ACSR/AW (Quail)	20-SDMS-02	Fig. 39	
11	2	Strain Clamp, Straight Line Deadend Type for Quail	20-SDMS-02	Fig. 30	
12	6	Strain Clamp, 3 U—Bolts Type for Quail	20-SDMS-02	Fig. 29	
13	6	Anchor Shackle	20-SDMS-02	Fig. 20	
14	6	Clevis Eye Extension	20-SDMS-02	Fig. 21	
15	1	Shoulder Eye Bolt, M20x260mm W/2 Nuts, 1 Flat & 1 Spring Washers	20-SDMS-02	Fig. 17	
16	2	Preformed Line Post Insulator Top Tie for Quail ACSR/AW	20-SDMS-02	Fig. 35	
17	3	Double Arming Plate, 100x12x700mm	20-SDMS-02	Fig. 07	
18	1	Eye Nut For M20	20-SDMS-02	Fig. 19	
19	32M	Stay Wire 7/4, 12mm Dia. HDG Steel, UTS 101kN (Min)			
20	1 Set	M.V.—S.C. Two Stay Assembly	20-SDMS-02	Drw. 303	
21	1 Set	Danger Sign Plate Complete With Its Accessories	20-SDMS-02	Fig. 49/5	
22	17M	Anti-Climbing Device, Barbed Wire	20-SDMS-02	Fig. 13	
23	2	Buckle Type, Locking Clip for Barbed Wire	20-SDMS-02	Fig. 13	
24	1 Set	Pole Numbering Base Plate	20-SDMS-02	Fig. 51	
25	1 Set	Pole Numbering Plates	20-SDMS-02	Fig. 51	
		67.44mm2 ACSR/AW, QUAIL			

DRW.017B-0C14S, 14M, SINGLE CIRCUIT, MEDIUM ANGLE STRUCTURE 16°-60° WITH TWO STAYS FOR QUAIL MAIN CONDUCTOR

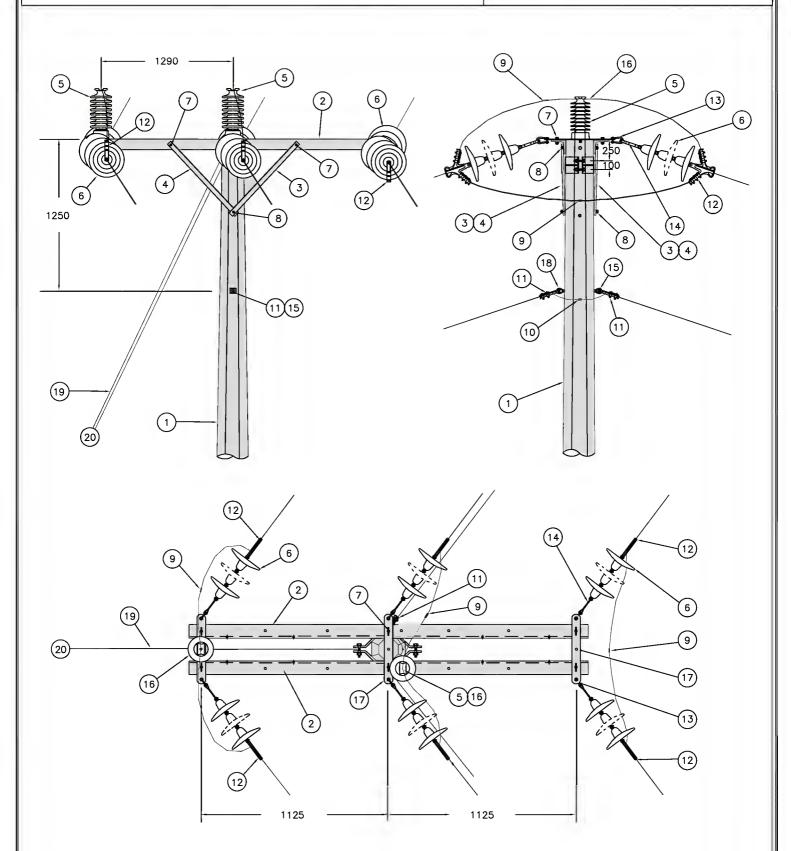


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DRW.018-OC14S, 14M, SINGLE CIRCUIT, HEAVY ANGLE ANGLE STRUCTURE, 61°-90° WITH TWO STAYS



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SERIAL NO.	QTY	BILL OF MATERIALS DESCRIPTION	REFERE	INCES
01	1	OC14S — 14 Meter Steel Pole, HDG, Single Circuit	20-SDMS-01	Page 36
02	2	Crossarm - L 100x100x12x2400mm L.G.	20-SDMS-02	Fig. 01
03	2	Brace - L 50x50x4x828mm L.G.	20-SDMS-02	Fig. 04
04	2	Brace — L 50x50x4x828mm L.G. With One End Clipped	20-SDMS-02	Fig. 04
05	2	Line Post Insulator	15-SDMS-01	Clause 4.
06	6 Set	Suspension Insulator	15-SDMS-01	Page 23
07	10	Machine Bolt, M20x60mm W/1 Nut, 2 Flat Washers & 1 Spring Washer	20-SDMS-02	Fig. 15
80	2	Machine Bolt, M20x225mm W/1 Nut, 2 Flat Washers & 1 Spring Washer	20-SDMS-02	Fig. 15
09	3	Parallel Groove Comp. Connector for 170.5mm2 ACSR/AW (Merlin)	20-SDMS-02	Fig. 39
10	1	Parallel Groove Comp. Connector for 67.44mm2 ACSR/AW (Quail)	20-SDMS-02	Fig. 39
11	2	Strain Clamp, Straight Line Deadend Type for Quail	20-SDMS-02	Fig. 30
12	6	Strain Clamp, 3 U—Bolts Type for Merlin	20-SDMS-02	Fig. 29
13	6	Anchor Shackle	20-SDMS-02	Fig. 20
14	6	Clevis Eye Extension	20-SDMS-02	Fig. 21
15	5 1 Shoulder Eye Bolt, M20x260mm W/2 Nuts, 1 Flat & 1 Spring Washers		20-SDMS-02	Fig. 17
16	2 Preformed Line Post Insulator Top Tie for Merlin ACSR/AW		20-SDMS-02	Fig. 35
17	3 Double Arming Plate, 100x12x700mm		20-SDMS-02	Fig. 07
18	1 Eye Nut For M20		20-SDMS-02	Fig. 19
19	32M	Stay Wire 7/4, 12mm Dia. HDG Steel, UTS 101kN (Min)		
20	1 Set	M.V.—S.C. Two Stay Assembly	20-SDMS-02	Drw. 303
21	1 Set	Danger Sign Plate Complete With Its Accessories	20-SDMS-02	Fig. 49/5
22	17M	Anti-Climbing Device, Barbed Wire	20-SDMS-02	Fig. 13
23	2	Buckle Type, Locking Clip for Barbed Wire	20-SDMS-02	Fig. 13
24	1 Set	Pole Numbering Base Plate	20-SDMS-02	Fig. 51
25	1 Set	Pole Numbering Plates	20-SDMS-02	Fig. 51
		170.5mm2 ACSR/AW, MERLIN		

DRW.018A-OC14S,14M, SINGLE CIRCUIT, HEAVY ANGLE STRUCTURE 61°-90° WITH STAYS FOR MERLIN MAIN CONDUCTOR



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SERIAL NO.	QTY	BILL OF MATERIALS DESCRIPTION	REFERE	NCES
01	1	OC14S — 14 Meter Steel Pole, HDG, Single Circuit	20-SDMS-01	Page 36
02	2	Crossarm — L 100x100x12x2400mm L.G.	20-SDMS-02	Fig. 01
03	2	Brace — L 50x50x4x828mm L.G.	20-SDMS-02	Fig. 04
04	2	Brace — L 50x50x4x828mm L.G. With One End Clipped	20-SDMS-02	Fig. 04
05	2	Line Post Insulator		
06	6 Set	Suspension Insulator	ulator 15-SDMS-01 Po	
07	10	Machine Bolt, M20x60mm W/1 Nut, 2 Flat Washers & 1 Spring Washer	20-SDMS-02	Fig. 15
08	2	Machine Bolt, M20x225mm W/1 Nut, 2 Flat Washers & 1 Spring Washer	20-SDMS-02	Fig. 15
09	3	Parallel Groove Comp. Connector for 67.44mm2 ACSR/AW (Quail)	20-SDMS-02	Fig. 39
10	1	Parallel Groove Comp. Connector for 67.44mm2 ACSR/AW (Quail)	20-SDMS-02	Fig. 39
11	2	Strain Clamp, Straight Line Deadend Type for Quail	20-SDMS-02	Fig. 30
12	6	Strain Clamp, 3 U—Bolts Type for Quail	20-SDMS-02	Fig. 29
13	6	6 Anchor Shackle		Fig. 20
14	6	Clevis Eye Extension	20-SDMS-02	Fig. 21
15	1 Shoulder Eye Bolt, M20x260mm W/2 Nuts, 1 Flat & 1 Spring Washers		20-SDMS-02	Fig. 17
16	2 Preformed Line Post Insulator Top Tie for Quail ACSR/AW		20-SDMS-02	Fig. 35
17	3 Double Arming Plate, 100x12x700mm		20-SDMS-02	Fig. 07
18	8 1 Eye Nut For M20		20-SDMS-02	Fig. 19
19	32M Stay Wire 7/4, 12mm Dia. HDG Steel, UTS 101kN (Min)			
20	1 Set	M.V.—S.C. Two Stay Assembly	20-SDMS-02	Drw. 303
21	1 Set	Danger Sign Plate Complete With Its Accessories	20-SDMS-02	Fig. 49/50
22	17M	Anti-Climbing Device, Barbed Wire	20-SDMS-02	Fig. 13
23	2	Buckle Type, Locking Clip for Barbed Wire	20-SDMS-02	Fig. 13
24	1 Set	Pole Numbering Base Plate	20-SDMS-02	Fig. 51
25	1 Set	Pole Numbering Plates	20-SDMS-02	Fig. 51
		67.44mm2 ACSR/AW, QUAIL		

DRW.018B-OC14S, 14M, SINGLE CIRCUIT, HEAVY ANGLE STRUCTURE 61°-90° WITH TWO STAYS FOR QUAIL MAIN CONDUCTOR

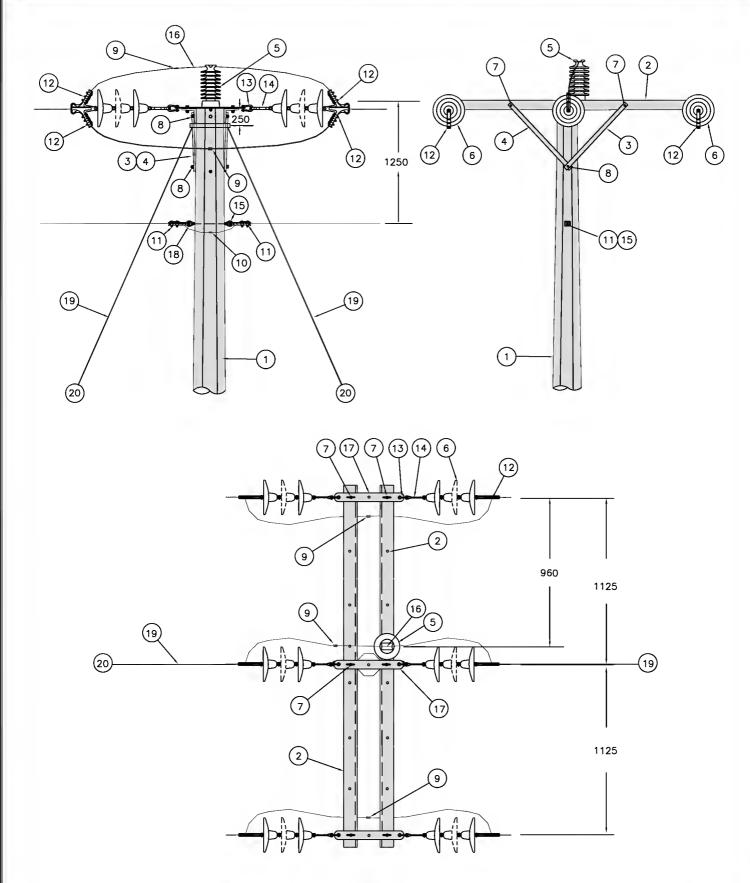


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DRW.019-OC14S, 14M, SINGLE CIRCUIT, SECTION STRUCTURE WITH STAYS

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SERIAL NO.	QTY	BILL OF MATERIALS DESCRIPTION		NCES			
01	1	OC14S — 14 Meter Steel Pole, HDG, Single Circuit	20-S0MS-01	Page 36			
02	2	Crossorm - L 100x100x12x2400mm L.G.	20-S0MS-02	Fig. 01			
03	2	Broce — L 50x50x4x828mm L.G.	20-SDMS-02	Fig. 04			
04	2	Broce — L 50x50x4x828mm L.G. With One End Clipped	20-SDMS-02	Fig. 04			
05	1	Line Post Insulotor	15-S0MS-01	Clause 4.2.8			
06	6 Set	Suspension Insulator	15-S0MS-01	Page 23			
07	10	Machine Bolt, M20x60mm W/1 Nut, 2 Flat Washers & 1 Spring Wosher	20-S0MS-02	Fig. 15			
08	2	Mochine Bolt, M20x225mm W/1 Nut, 2 Flot Woshers & 1 Spring Wosher	20-S0MS-02	Fig. 15			
09	3	Porollel Groove Comp. Connector for 170.5mm2 ACSR/AW (Merlin)	20-S0MS-02	Fig. 39			
10	1	Parallel Groove Comp. Connector for 67.44mm2 ACSR/AW (Quail)	20-S0MS-02	Fig. 39			
11	2	Stroin Clomp, Stroight Line Deodend Type for Quoil	20-S0MS-02	Fig. 30			
12	6	Strain Clamp, 3 U—Bolts Type for Merlin	20-S0MS-02	Fig. 29			
13	6	Anchor Shockle	20-S0MS-02	Fig. 20			
14	6	Clevis Eye Extension	20-SDMS-02	Fig. 21			
15	5 1 Shoulder Eye Bolt, M20x260mm W/2 Nuts, 1 Flot & 1 Spring Woshers		20-S0MS-02	Fig. 17			
16	6 1 Preformed Line Post Insulotor Top Tie For Merlin ACSR/AW		20-SDMS-02	Fig. 35			
17			20-SDMS-02	Fig. 07			
18	8 1 Eye Nut For M20		20-S0MS-02	Fig. 19			
19							
20	1 Set	MV, SC Section Stoy Assembly	20-S0MS-02	0rw. 304			
21	1 Set	Donger Sign Plote Complete With Its Accessories	20-S0MS-02	Fig. 49/50			
22	17M	Anti-Climbing Device, Barbed Wire	20-S0MS-02	Fig. 13			
23	2	Buckle Type, Locking Clip for Borbed Wire	20-SDMS-02	Fig. 13			
24	1 Set	Pole Numbering Base Plate	20-SDMS-02	Fig. 51			
25	1 Set	Pole Numbering Plotes	20-S0MS-02	Fig. 51			
		170.5mm2 ACSR/AW, MERLIN					

DRW.019A-OC14S, 14M, SINGLE CIRCUIT, SECTION STRUCTURE WITH STAYS FOR MERLIN MAIN CONDUCTOR



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SERIAL NO.			REFERE	NCES
01	1	OC14S - 14 Meter Steel Pole, HDG, Single Circuit	20-SDMS-01	Page 36
02	2	Crossorm – L 100x100x12x2400mm L.G.	20-SDMS-02	Fig. 01
03	2	Broce - L 50x50x4x828mm L.G.	20-SDMS-02	Fig. 04
04	2	Broce - L 50x50x4x828mm L.G. With One End Clipped	20-SDMS-02	Fig. 04
05	1	Line Post Insulotor	15-SDMS-01	Clause 4.2.8
06	6 Set	Suspension Insulator	15-SDMS-01	Page 23
07	10	Machine Bolt, M20x60mm W/1 Nut, 2 Flat Woshers & 1 Spring Washer	20-SDMS-02	Fig. 15
08	2	Mochine Bolt, M20x225mm W/1 Nut, 2 Flot Woshers & 1 Spring Wosher	20-SDMS-02	Fig. 15
09	3	Porollel Groove Comp. Connector for 67.44mm2 ACSR/AW (Quoil)	20-SDMS-02	Fig. 39
10	1	Parallel Groove Comp. Connector for 67.44mm2 ACSR/AW (Quail)	20-SDMS-02	Fig. 39
11	2	Stroin Clomp, Stroight Line Deodend Type for Quoil	20-SDMS-02	Fig. 30
12	6	Strain Clamp, 3 U—Bolts Type for Quail	20-SDMS-02	Fig. 29
13	6	Anchor Shockle	20-SDMS-02	Fig. 20
14	6	Clevis Eye Extension	20-SDMS-02	Fig. 21
15	1	Shoulder Eye Bolt, M20x260mm W/2 Nuts, 1 Flot & 1 Spring Woshers		Fig. 17
16	1	Preformed Line Post Insulotor Top Tie For Quoil ACSR/AW	20-SDMS-02	Fig. 35
17	3	Double Arming Plote, 100x12x700mm		Fig. 07
18	1	1 Eye Nut For M20		Fig. 19
19	32M	M.V. Stay Wire 7/4, 12mm Dia. HDG Steel, UTS 101kN (Min)		
20	1 Set	MV, SC Section Stoy Assembly	20-SDMS-02	Drw. 304
21	1 Set	Donger Sign Plote Complete With Its Accessories	20-SDMS-02	Fig. 49/50
22	17M	Anti-Climbing Device, Barbed Wire	20-SDMS-02	Fig. 13
23	2	Buckle Type, Locking Clip for Borbed Wire	20-SDMS-02	Fig. 13
24	1 Set	Pole Numbering Base Plate	20-SDMS-02	Fig. 51
25	1 Set	Pole Numbering Plotes	20-SDMS-02	Fig. 51
-		67.44mm2 ACSR/AW, QUAIL		-

DRW.019B-OC14S, 14M, SINGLE CIRCUIT, SECTION STRUCTURE WITH STAYS FOR QUAIL MAIN CONDUCTOR



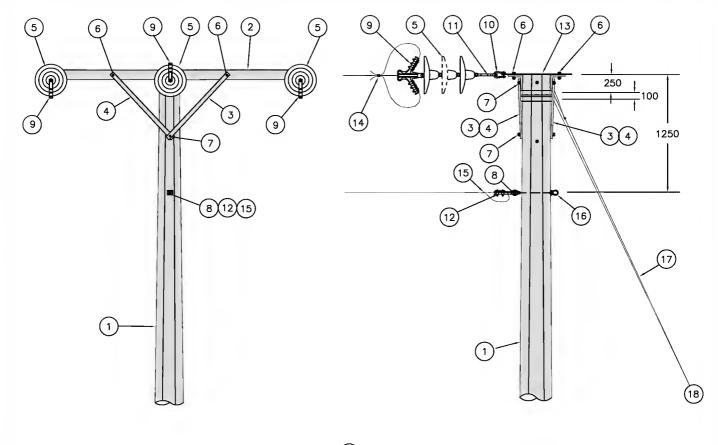
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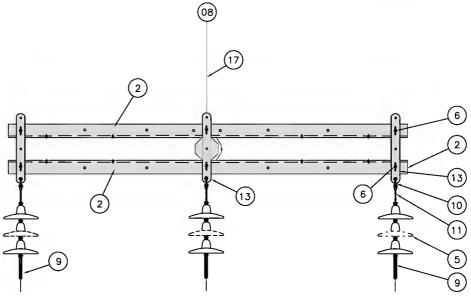
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DRW.020-0C14S,14M, SINGLE CIRCUIT, TERMINAL STRUCTURE W/TWO STAYS



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01	1	OC14S — 14 Meter Steel Pole, HDG, Single Circuit	20-SDMS-01	Page 36
02	2	Crossorm – L 100x100x12x2400mm L.G.	20-SDMS-02	Fig. 01
03	2	Broce — L 50x50x4x828mm L.G.	20-SDMS-02	Fig. 04
04	2	Brace — L 50x50x4x828mm L.G. With One End Clipped	20-SDMS-02	Fig. 04
05	3 Set	Suspension Insulotor	15-SDMS-01	Page 23
06	10	Mochine Bolt, M20x60mm W/1 Nut, 2 Flot Woshers & 1 Sring Wosher	20-SDMS-02	Fig. 15
07	2	Mochine Bolt, M20x225mm W/1 Nut, 2 Flot Woshers & 1 Spring Wosher	20-SDMS-02	Fig. 15
08	1	Stroin Clomp, Stroight Line Deodend Type for Quoil	20-SDMS-02	Fig. 30
09	3	Stroin Clomp, 3 U—Bolts Type for Merlin	20-SDMS-02	Fig. 29
10	3	Anchor Shockle	20-SDMS-02	Fig. 20
11	3	Clevis Eye Extension	20-SDMS-02	Fig. 21
12	1	Shoulder Eye Bolt, M20x260mm, W/2 Nuts, 1 Flot & 1 Spring Woshers	20-SDMS-02	Fig. 17
13	3	Double Arming Plate, 100x12x700mm	20-SDMS-02	Fig. 07
14	3	Porollel Groove Clomp, Three Bolts Type for Merlin ACSR Conductor	20-SDMS-02	Fig.
15	1	Porollel Groove Clomp, Two Bolts Type for Quoil ACSR Conductor	20-SDMS-02	Fig.
16	1	Eye Nut for M20	20-SDMS-02	Fig. 19
17	32M	Stoy Wire 7/4, 12mm Dio. HDG Steel, UTS 101kN (Min)		
18	1 Set	M.V.—S.C. Two Stoy Assembly	20-SDMS-02	Drw. 303
19	1 Set	Donger Sign Plote Complete With Its Accessories	20-SDMS-02	Fig. 49/50
20	17M	Anti-Climbing Device, Borbed Wire	20-SDMS-02	Fig. 13
21	2	Buckle Type, Locking Clip for Borbed Wire	20-SDMS-02	Fig. 13
22	1 Set	Pole Numbering Base Plate	20-SDMS-02	Fig. 51
23	1 Set	Pole Numbering Plotes	20-SDMS-02	Fig. 51
			-	
<u> </u>				
			<u> </u>	
		170.5mm2 ACSR/AW, MERLIN		
	<u> </u>	·		1

DRW.020A-OC14S,14M,SINGLE CIRCUIT,TERMINAL STRUCTURE W/TWO STAYS FOR MERLIN MAIN CONDUCTOR



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01	1	OC14S — 14 Meter Steel Pale, HDG, Single Circuit	20-SDMS-01	Page 36
02	2	Crassarm - L 100x100x12x2400mm L.G.	20-SDMS-02	Fig. 01
03	2	Brace - L 50x50x4x828mm L.G.	20-SDMS-02	Fig. 04
04	2	Brace - L 50x50x4x828mm L.G. With One End Clipped	20-SDMS-02	Fig. 04
05	3 Set	Suspension Insulator	15-SDMS-01	Page 23
06	10	Machine Balt, M20x60mm W/1 Nut, 2 Flat Washers & 1 Sring Washer	20-SDMS-02	
07	2	Machine Balt, M20x225mm W/1 Nut, 2 Flat Washers & 1 Spring Washer		Fig. 15 Fig. 15
08	1	Strain Clamp, Straight Line Deadend Type for Quail	20-SDMS-02 20-SDMS-02	Fig. 30
09	3	Strain Clamp, 3 U—Balts Type far Quail	20-SDMS-02	Fig. 29
10	3	Anchar Shackle	20-SDMS-02	Fig. 29
11	3	Clevis Eye Extensian	20-SDMS-02	Fig. 21
12	1	Shoulder Eye Bolt, M20x260mm, W/2 Nuts, 1 Flat & 1 Spring Washers	20-SDMS-02	Fig. 17
13	3	Double Arming Plate, 100x12x700mm	20-SDMS-02	Fig. 07
14	3	Parallel Graave Clamp, Twa Balts Type far Quail ACSR Canductar	20-SDMS-02	Fig.
15	1	Parallel Graave Clamp, Twa Balts Type far Quail ACSR Canductar	20-SDMS-02	Fig.
16	1	Eye Nut far M20	20-SDMS-02	Fig. 19
17	32M	Stay Wire 7/4, 12mm Dia. HDG Steel, UTS 101kN (Min)	20 00 1110 02	
18	1 Set	M.VS.C. Twa Stay Assembly	20-SDMS-02	Drw. 303
19	1 Set	Danger Sign Plate Camplete With Its Accessaries	20-SDMS-02	Fig. 49/50
20	17M	Anti-Climbing Device, Barbed Wire	20-SDMS-02	Fig. 13
21	2	Buckle Type, Locking Clip for Barbed Wire	20-SDMS-02	Fig. 13
22	1 Set	Pole Numbering Base Plate	20-SDMS-02	Fig. 51
23	1 Set	Pale Numbering Plates	20-SDMS-02	Fig. 51
		•		
-				
		67.44mm2 ACSR/AW, QUAIL		
				·

DRW.020B-OC14S,14M,SINGLE CIRCUIT,TERMINAL STRUCTURE W/TWO STAYS FOR QUAIL MAIN CONDUCTOR

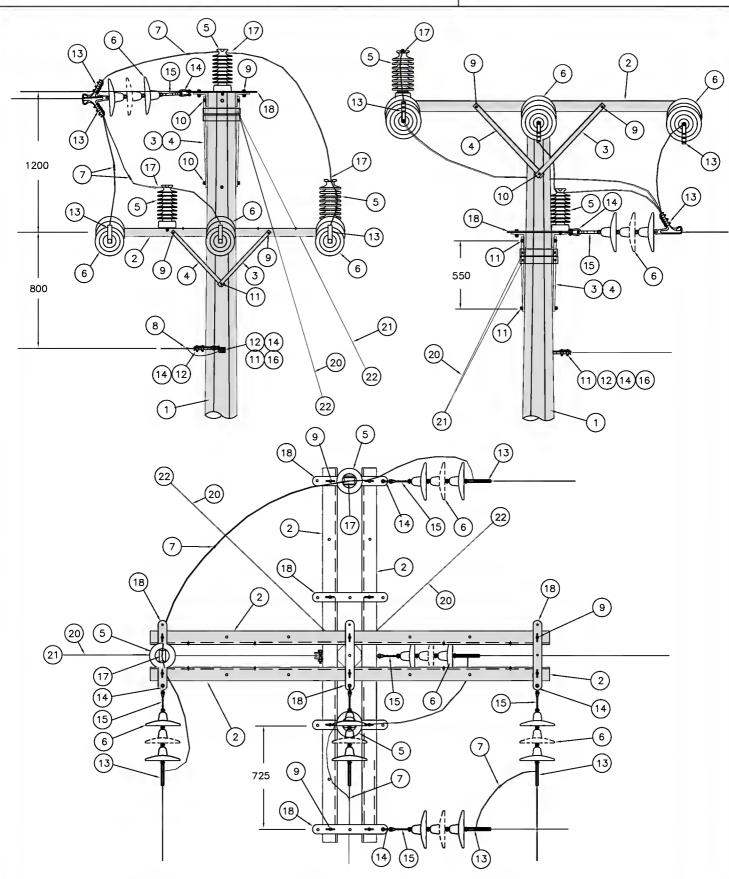


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DRW.021-OC14S, 14M, S.C. DOUBLE TERMINAL AT 90° STRUCTURE WITH STAYS



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SERIAL NO.	QTY	BILL OF MATERIALS DESCRIPTION	REFERE	NCES
01	1	OC14S — 14 Meter Steel Pole, HDG, Single Circuit	20-SDMS-01	Page 36
02	4	Crossarm — L 100x100x12x2400mm L.G.	20-SDMS-02	Fig. 01
03	4	Brace — L 50x50x4x828mm L.G.	20-SDMS-02	Fig. 04
04	4	Brace — L 50x50x4x828mm L.G. With One End Clipped	20-SDMS-02	Fig. 04
05	3	Line Post Insulator	15-SDMS-01	Clause 4.2.8
06	6 Set	Suspension Insulator	15-SDMS-01	Page 23
07	3	Parallel Groove Compression Connector for Merlin — Merlin	20-SDMS-02	Fig. 39
08	1	Parallel Groove Compression Connector for Quail	20-SDMS-02	Fig. 39
09	22	Machine Bolt, M20x60mm With Nut, 2 Flat Washer & 1 Spring Washer	20-SDMS-02	Fig. 15
10	2	Machine Bolt, M20x225mm With Nut, 2 Flat Washer & 1 Spring Washer	20-SDMS-02	Fig. 15
11	3	Machine Bolt, M20x265mm With Nut, 2 Flat Washer & 1 Spring Washer	20-SDMS-02	Fig. 15
12	2	Strain Clamp, Straight Line Deadend Type for Quail	20-SDMS-02	Fig. 30
13	6	Strain Clamp, 3 U—Bolts Type for Merlin	20-SDMS-02	Fig. 29
14	8	Anchor Shackle	20-SDMS-02	Fig. 20
15	6	Clevis Eye Extension	20-SDMS-02	Fig. 21
16	1	Earthwire Suspension Support	20-SDMS-02	Fig. 5
17	3	Preformed Line Post Insulator Top Tie for Merlin ACSR/AW	20-SDMS-02	Fig. 35
18	7	Double Arming Plate, 100x12x700mm	20-SDMS-02	Fig. 7
19	2 Set	Phasing Plates (A,B,C)	20-SDMS-02	Fig. 53/54
20	61M	Stay Wire 7/4, 12mm Dia. HDG Steel, UTS 101kN (Min)		
21	1 Set	M.V.—S.C. Two Stay Assembly	20-SDMS-02	Drw. 303
22	2 Set	M.VS.C. One Stay Assembly	20-SDMS-02	Drw. 302
23	1 Set	Danger Sign Plate Complete With Its Accessories	20-SDMS-02	Fig. 49/50
24	17M	Anti-Climbing Device, Barbed Wire	20-SDMS-02	Fig. 13
25	2	Buckle Type, Locking Clip for Barbed Wire	20-SDMS-02	Fig. 13
26	1 Set	Pole Numbering Base Plate	20-SDMS-02	Fig. 51
27	1 Set	Pole Numbering Plates	20-SDMS-02	Fig. 51
		170.5mm2 ACSR/AW, MERLIN		

DRW.021A-OC14S, 14M, S.C. DOUBLE TERMINAL AT 90° WITH STAYS FOR MERLIN MAIN & MERLIN



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SERIAL NO.	QTY	BILL OF MATERIALS DESCRIPTION	REFERE	NCES
01	1	OC14S — 14 Meter Steel Pole, HDG, Single Circuit	20-SDMS-01	Page 36
02	4	Crossarm - L 100x100x12x2400mm L.G.	20-SDMS-02	Fig. 01
03	4	Brace - L 50x50x4x828mm L.G.	20-SDMS-02	Fig. 04
04	4	Brace - L 50x50x4x828mm L.G. With One End Clipped	20-SDMS-02	Fig. 04
05	3	Line Post Insulator	15-SDMS-01	Clause 4.2.8
06	6 Set		15-SDMS-01	Page 23
07	3	Parallel Groove Compression Connector for Quail — Quail	20-SDMS-02	Fig. 39
08	1	Parallel Groove Compression Connector for Quail	20-SDMS-02	Fig. 39
09	22	Machine Bolt, M20x60mm With Nut, 2 Flat Washer & 1 Spring Washer	20-SDMS-02	Fig. 15
10	2	Machine Bolt, M20x225mm With Nut, 2 Flat Washer & 1 Spring Washer	20-SDMS-02	Fig. 15
11	3	Machine Bolt, M20x265mm With Nut, 2 Flat Washer & 1 Spring Washer	20-SDMS-02	Fig. 15
12	2	Strain Clamp, Straight Line Deadend Type for Quail	20-SDMS-02	Fig. 30
13	6	Strain Clamp, 3 U-Bolts Type for Quail	20-SDMS-02	Fig. 29
14	8	Anchor Shackle	20-SDMS-02	Fig. 20
15	6	Clevis Eye Extension	20-SDMS-02	Fig. 21
16	1	Earthwire Suspension Support	20-SDMS-02	Fig. 5
17	3	Preformed Line Post Insulator Top Tie for Quail ACSR/AW	20-SDMS-02	Fig. 35
18	7	Double Arming Plate, 100x12x700mm	20-SDMS-02	Fig. 07
19	2 Set	Phasing Plates (A,B,C)	20-SDMS-02	Fig. 53/54
20	61M	Stay Wire 7/4, 12mm Dia. HDG Steel, UTS 101kN (Min)		
21	1 Set	M.VS.C. Two Stay Assembly	20-SDMS-02	Drw. 303
22	2 Set	M.VS.C. One Stay Assembly	20-SDMS-02	Drw. 302
23	1 Set	Danger Sign Plate Complete With Its Accessories	20-SDMS-02	Fig. 49/50
24	17M	Anti-Climbing Device, Barbed Wire	20-SDMS-02	Fig. 13
25	2	Buckle Type, Locking Clip for Barbed Wire	20-SDMS-02	Fig. 13
26	1 Set	Pole Numbering Base Plate	20-SDMS-02	Fig. 51
27	1 Set	Pole Numbering Plates	20-SDMS-02	Fig. 51
		67.44mm2 ACSR/AW, QUAIL		

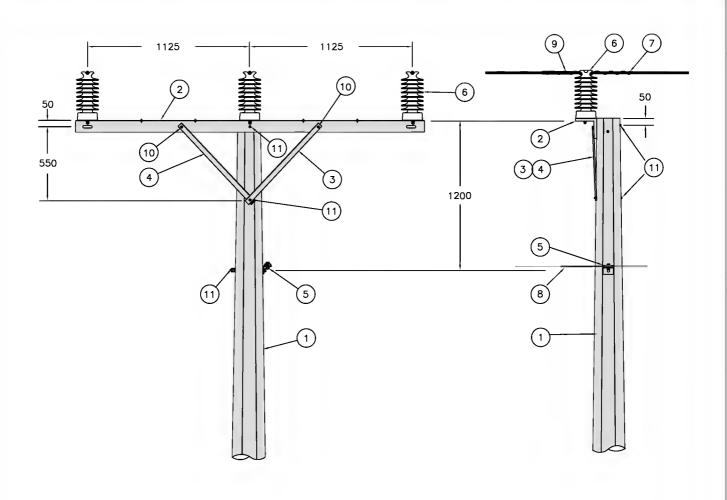
DRW.021B-OC14S, 14M, S.C. DOUBLE TERMINAL AT 90° WITH STAYS FOR QUAIL MAIN & QUAIL

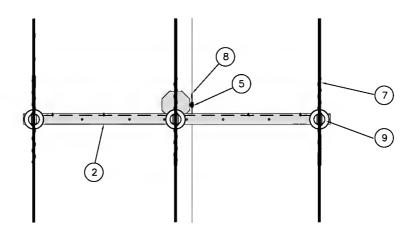


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DRW.022-OC15S/D,15M, SINGLE CIRCUIT, INTERMEDIATE STRUCTURE, 0°-5°



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Dated:	24-06-2003	
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SERIAL NO.	QTY	BILL OF MATERIALS DESCRIPTION	REFEREN	ICES
01	1	OC15S/D - 15 Meter Steel Pole, HDG, Single Circuit	20-SDMS-01	Page 38
02	1	Crossarm - L 100x100x12x2400mm L.G.	20-SDMS-02	Fig. 01
03	1	Brace - L 50x50x4x828mm L.G.	20-SDMS-02	Fig. 04
04	1	Brace — L 50x50x4x828mm L.G. With One End Clipped	20-SDMS-02	Fig. 04
05	1	Earthwire Support Plate	20-SDMS-02	Fig. 06
06	3	Line Post Insulator	15-SDMS-01	Clause 4.2
07	3 Set	Preformed Armour Rods For 170.5mm2 ACSR/AW (Merlin)	20-SDMS-02	Fig. 38
08	1 Set	Preformed Armour Rods For 67.44mm2 ACSR/AW (Quail)	20-SDMS-02	Fig. 38
09	3 Set	Preformed Line Post Insulator Top Tie for Merlin ACSR/AW With Armour	20-SDMS-02	Fig. 35
10	2	Machine Bolt, M20x60mm W/1 Nut, 2 Flat Washers & 1 Spring Washer	20-SDMS-02	Fig. 15
11	3	Machine Bolt, M20x225mm W/1 Nut, 2 Flat Washers & 1 Spring Washer	20-SDMS-02	Fig. 15
12	1 Set	Danger Sign Plate Complete With Its Accessories	20-SDMS-02	Fig. 49/50
13	18M	Anti-Climbing Device, Barbed Wire	20-SDMS-02	Fig. 13
14	2	Buckle Type, Locking Clip for Barbed Wire	20-SDMS-02	Fig. 13
15	1 Set	Pole Numbering Base Plate	20-SDMS-02	Fig. 51
16	1 Set	Pole Numbering Plates	20-SDMS-02	Fig. 51
V				
V				
			-	
		170.5mm2 ACSR/AW, MERLIN		

DRW.022A-0C15S/D,15M, SINGLE CIRCUIT, INTERMEDIATE STRUCTURE, 0°-5° FOR MERLIN MAIN CONDUCTOR



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SERIAL NO.	QTY	BILL OF MATERIALS DESCRIPTION	REFEREN	ICES
01	1	OC15S/D - 15 Meter Steel Pole, HDG, Single Circuit	20-SDMS-01	Page 38
02	1	Crossarm — L 100x100x12x2400mm L.G.	20-SDMS-02	Fig. 01
03	1	Brace — L 50x50x4x828mm L.G.	20-SDMS-02	Fig. 04
04	1	Brace — L 50x50x4x828mm L.G. With One End Clipped	20-SDMS-02	Fig. 04
05	1	Earthwire Support Plate	20-SDMS-02	Fig. 06
06	3	Line Post Insulator	15-SDMS-01	Clause 4.2
07	3 Set	Preformed Armour Rods For 67.44mm2 ACSR/AW, (Quail)	20-SDMS-02	Fig. 38
08	1 Set	Preformed Armour Rods For 67.44mm2 ACSR/AW (Quail)	20-SDMS-02	Fig. 38
09	3 Set	Preformed Line Post Insulator Top Tie for Quail ACSR/AW With Armour	20-SDMS-02	Fig. 35
10	2	Machine Bolt, M20x60mm W/1 Nut, 2 Flat Washers & 1 Spring Washer	20-SDMS-02	Fig. 15
11	3	Machine Bolt, M20x225mm W/1 Nut, 2 Flat Washers & 1 Spring Washer	20-SDMS-02	Fig. 15
12	1 Set	Danger Sign Plate Complete With Its Accessories	20-SDMS-02	Fig. 49/5
13	18M	Anti-Climbing Device, Barbed Wire	20-SDMS-02	Fig. 13
14	2	Buckle Type, Locking Clip for Barbed Wire	20-SDMS-02	Fig. 13
15	1 Set	Pole Numbering Base Plate	20-SDMS-02	Fig. 51
16	1 Set	Pole Numbering Plates	20-SDMS-02	Fig. 51
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+		-		
		67.44mm2 ACSR/AW, QUAIL		

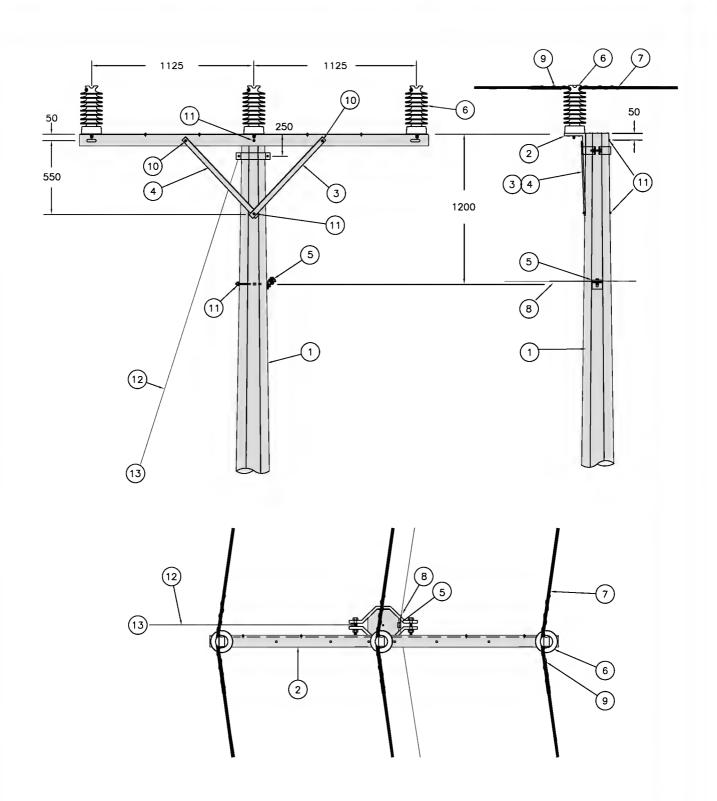
DRW.022B-OC15S/D,15M, SINGLE CIRCUIT, INTERMEDIATE STRUCTURE, 0°-5° FOR QUAIL MAIN CONDUCTOR



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DRW.023-OC15S/D, 15M, SINGLE CIRCUIT, LIGHT ANGLE STRUCTURE 6°-15° WITH ONE STAY



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SERIAL NO.	QTY	BILL OF MATERIALS DESCRIPTION	REFERENCES	
01	1	OC15S/D - 15 Meter Steel Pole, HDG, Single Circuit	20-SDMS-01	Page 38
02	1	Crossarm — L 100x100x12x2400mm L.G.	20-SDMS-02	Fig. 01
03	1	Brace — L 50x50x4x828mm L.G.	20-SDMS-02	Fig. 04
04	1	Brace — L 50x50x4x828mm L.G. With One End Clipped	20-SDMS-02	Fig. 04
05	1	Earthwire Support Plate	20-SDMS-02	Fig. 06
06	3	Line Post Insulator	15-SDMS-01	Clause 4.2
07	3 Set	Preformed Armour Rods For 170.5mm2 ACSR/AW (Merlin)	20-SDMS-02	Fig. 38
08	1 Set	Preformed Armour Rods For 67.44mm2 ACSR/AW (Quail)	20-SDMS-02	Fig. 38
09	3 Set	Preformed Line Post Insulator Side Tie for Merlin ACSR/AW With Armour	20-SDMS-02	Fig. 36
10	2	Machine Bolt, M20x60mm W/1 Nut, 2 Flat Washers & 1 Spring Washer	20-SDMS-02	Fig. 15
11	3	Machine Bolt, M20x225mm W/1 Nut, 2 Flat Washers & 1 Spring Washer	20-SDMS-02	Fig. 15
12	17M	Stay Wire 7/4, 12mm Dia. HDG Steel, UTS 101kN (Min.)		
13	1 Set	M.V.—S.C. One Stay Assembly	20-SDMS-02	Drw. 302
14	1 Set	Danger Sign Plate Complete With Its Accessories	20-SDMS-02	Fig. 49/50
15	18M	Anti—Climbing Device, Barbed Wire	20-SDMS-02	Fig. 13
16	2	Buckle Type, Locking Clip for Barbed Wire	20-SDMS-02	Fig. 13
17	1 Set	Pole Numbering Base Plate	20-SDMS-02	Fig. 51
18	1 Set	Pole Numbering Plates	20-SDMS-02	Fig. 51
V				
1				
	-		<u>-</u> .	
		170.5mm2 ACSR/AW, MERLIN		

DRW.023A-OC15S/D, 15M, SINGLE CIRCUIT, LIGHT ANGLE STRUCTURE 6°-15° WITH ONE STAY FOR MERLIN MAIN CONDUCTOR



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SERIAL NO.	QTY	BILL OF MATERIALS DESCRIPTION	REFERENCES	
01	1	OC15S/D - 14 Meter Steel Pole, HDG, Single Circuit	20-SDMS-01	Page 38
02	1	Crossarm — L 100x100x12x2400mm L.G.	20-SDMS-02	Fig. 01
03	1	Brace — L 50x50x4x828mm L.G.	20-SDMS-02	Fig. 04
04	1	Brace — L 50x50x4x828mm L.G. With One End Clipped	20-SDMS-02	Fig. 04
05	1	Earthwire Support Plate	20-SDMS-02	Fig. 06
06	3	Line Post Insulator	15-SDMS-01	Clause 4.2
07	3 Set	Preformed Armour Rods For 67.44mm2 ACSR/AW (Quail)	20-SDMS-02	Fig. 38
08	1 Set	Preformed Armour Rods For 67.44mm2 ACSR/AW (Quail)	20-SDMS-02	Fig. 38
09	3 Set	Preformed Line Post Insulator Side Tie for Quail ACSR/AW With Armour	20-SDMS-02	Fig. 36
10	2	Machine Bolt, M20x60mm W/1 Nut, 2 Flat Washers & 1 Spring Washer	20-SDMS-02	Fig. 15
11	3	Machine Bolt, M20x225mm W/1 Nut, 2 Flat Washers & 1 Spring Washer	20-SDMS-02	Fig. 15
12	17M	Stay Wire 7/4, 12mm Dia. HDG Steel, UTS 101kN (Min.)		
13	1 Set	M.V.—S.C. One Stay Assembly	20-SDMS-02	Drw. 302
14	1 Set	Danger Sign Plate Complete With Its Accessories	20-SDMS-02	Fig. 49/50
15	18M	Anti-Climbing Device, Barbed Wire	20-SDMS-02	Fig. 13
16	2	Buckle Type, Locking Clip for Barbed Wire	20-SDMS-02	Fig. 13
17	1 Set	Pole Numbering Base Plate	20-SDMS-02	Fig. 51
18	1 Set	Pole Numbering Plates	20-SDMS-02	Fig. 51
1				
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			-	
_		67.44mm2 ACSR/AW, QUAIL		

DRW.023B-OC15S/D, 15M, SINGLE CIRCUIT, LIGHT ANGLE STRUCTURE 6°-15° WITH ONE STAY FOR QUAIL MAIN CONDUCTOR



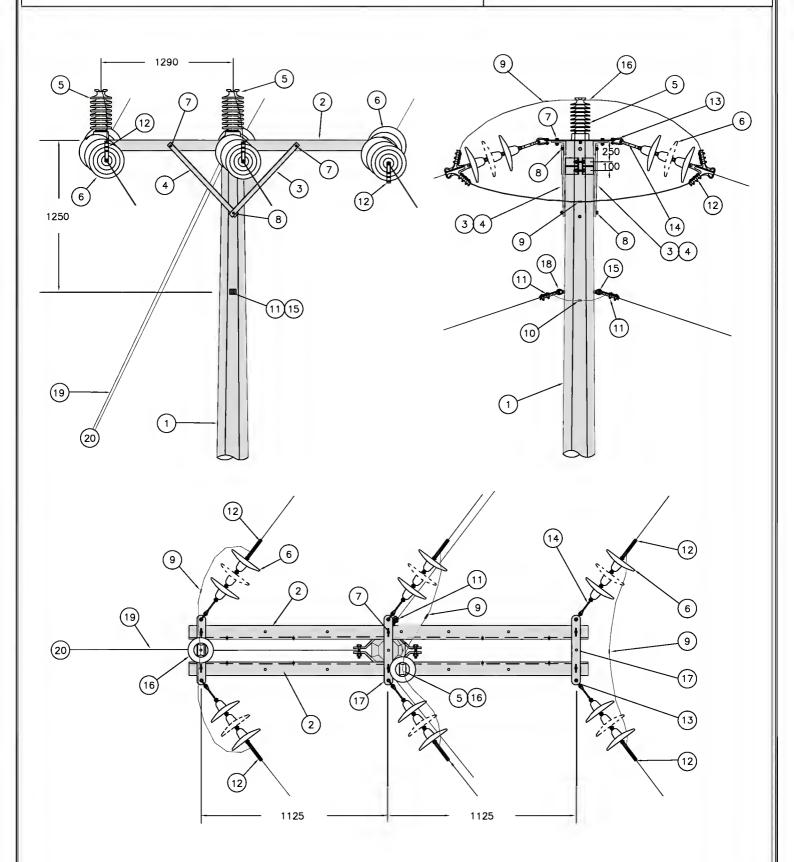
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DRW.024-OC15S/D, 15M, SINGLE CIRCUIT, MEDIUM ANGLE STRUCTURE, 16°-60° WITH TWO STAYS



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SERIAL NO.	QTY	BILL OF MATERIALS DESCRIPTION	REFERENCES	
01	1	OC15S/D — 15 Meter Steel Pole, HDG, Single Circuit	20-SDMS-01	Page 38
02	2	Crossarm — L 100x100x12x2400mm L.G.	20-SDMS-02	Fig. 01
03	2	Brace - L 50x50x4x828mm L.G.	20-SDMS-02	Fig. 04
04	2	Brace — L 50x50x4x828mm L.G. With One End Clipped	20-SDMS-02	Fig. 04
05	2	Line Post Insulator	15-SDMS-01	Clause 4.2
06	6 Set	Suspension Insulator	15-SDMS-01	Page 23
07	10	Machine Bolt, M20x60mm W/1 Nut, 2 Flat Washers & 1 Spring Washer	20-SDMS-02	Fig. 15
08	2	Machine Bolt, M20x225mm W/1 Nut, 2 Flat Washers & 1 Spring Washer	20-SDMS-02	Fig. 15
09	3	Parallel Groove Comp. Connector for 170.5mm2 ACSR/AW (Merlin)	20-SDMS-02	Fig. 39
10	1	Parallel Groove Comp. Connector for 67.44mm2 ACSR/AW (Quail)	20-SDMS-02	Fig. 39
11	2	Strain Clamp, Straight Line Deadend Type for Quail	20-SDMS-02	Fig. 30
12	6	Strain Clamp, 3 U—Bolts Type for Merlin	20-SDMS-02	Fig. 29
13	6	Anchor Shackle	20-SDMS-02	Fig. 20
14	6	Clevis Eye Extension	20-SDMS-02	Fig. 21
15	1	Shoulder Eye Bolt, M20x260mm W/2 Nuts, 1 Flat & 1 Spring Washers	20-SDMS-02	Fig. 17
16	2	Preformed Line Post Insulator Top Tie for Merlin ACSR/AW	20-SDMS-02	Fig. 35
17	3	Double Arming Plate, 100x12x700mm	20-SDMS-02	Fig. 07
18	1	Eye Nut For M20	20-SDMS-02	Fig. 19
19	35M	Stay Wire 7/4, 12mm Dia. HDG Steel, UTS 101kN (Min)		
20	1 Set	M.V.—S.C. Two Stay Assembly	20-SDMS-02	Drw. 303
21	1 Set	Danger Sign Plate Complete With Its Accessories	20-SDMS-02	Fig. 49/50
22	18M	Anti-Climbing Device, Barbed Wire	20-SDMS-02	Fig. 13
23	2	Buckle Type, Locking Clip for Barbed Wire	20-SDMS-02	Fig. 13
24	1 Set	Pole Numbering Base Plate	20-SDMS-02	Fig. 51
25	1 Set	Pole Numbering Plates	20-SDMS-02	Fig. 51
		170.5mm2 ACSR/AW, MERLIN		

DRW.024A-OC15S/D,15M, SINGLE CIRCUIT, MEDIUM ANGLE STRUCTURE 16°-60° WITH STAYS FOR MERLIN MAIN CONDUCTOR



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SERIAL NO.	QTY	BILL OF MATERIALS DESCRIPTION	REFERE	ENCES
01	1	OC15S/D — 15 Meter Steel Pole, HDG, Single Circuit	20-SDMS-01	Page 38
02	2	Crossarm - L 100x100x12x2400mm L.G.	20-SDMS-02	Fig. 01
03	2	Brace — L 50x50x4x828mm L.G.	20-SDMS-02	Fig. 04
04	2	Brace — L 50x50x4x828mm L.G. With One End Clipped	20-SDMS-02	Fig. 04
05	2	Line Post Insulator	15-SDMS-01	Clause 4.
06	6 Set	Suspension Insulator	15-SDMS-01	Page 23
07	10	Machine Bolt, M20x60mm W/1 Nut, 2 Flat Washers & 1 Spring Washer	20-SDMS-02	Fig. 15
08	2	Machine Bolt, M20x225mm W/1 Nut, 2 Flat Washers & 1 Spring Washer	20-SDMS-02	Fig. 15
09	3	Parallel Groove Comp. Connector for 67.44mm2 ACSR/AW (Quail)	20-SDMS-02	Fig. 39
10	1	Parallel Groove Comp. Connector for 67.44mm2 ACSR/AW (Quail)	20-SDMS-02	Fig. 39
11	2	Strain Clamp, Straight Line Deadend Type for Quail	20-SDMS-02	Fig. 30
12	6	Strain Clamp, 3 U—Bolts Type for Quail	20-SDMS-02	Fig. 29
13	6	Anchor Shackle	20-SDMS-02	Fig. 20
14	6	Clevis Eye Extension	20-SDMS-02	Fig. 21
15	1	Shoulder Eye Bolt, M20x260mm W/2 Nuts, 1 Flat & 1 Spring Washers	20-SDMS-02	Fig. 17
16	2	Preformed Line Post Insulator Top Tie for Quail ACSR/AW	20-SDMS-02	Fig. 35
17	3	Double Arming Plate, 100x12x700mm	20-SDMS-02	Fig. 07
18	1	Eye Nut For M20	20-SDMS-02	Fig. 19
19	35M	Stay Wire 7/4, 12mm Dia. HDG Steel, UTS 101kN (Min)		
20	1 Set	M.V.—S.C. Two Stay Assembly	20-SDMS-02	Drw. 303
21	1 Set	Danger Sign Plate Complete With Its Accessories	20-SDMS-02	Fig. 49/5
22	18M	Anti-Climbing Device, Barbed Wire	20-SDMS-02	Fig. 13
23	2	Buckle Type, Locking Clip for Barbed Wire	20-SDMS-02	Fig. 13
24	1 Set	Pole Numbering Base Plate	20-SDMS-02	Fig. 51
25	1 Set	Pole Numbering Plates	20-SDMS-02	Fig. 51
		67.44mm2 ACSR/AW, QUAIL		

DRW.024B-OC15S/D,15M, SINGLE CIRCUIT, MEDIUM ANGLE STRUCTURE 16°-60° WITH TWO STAYS FOR QUAIL MAIN CONDUCTOR

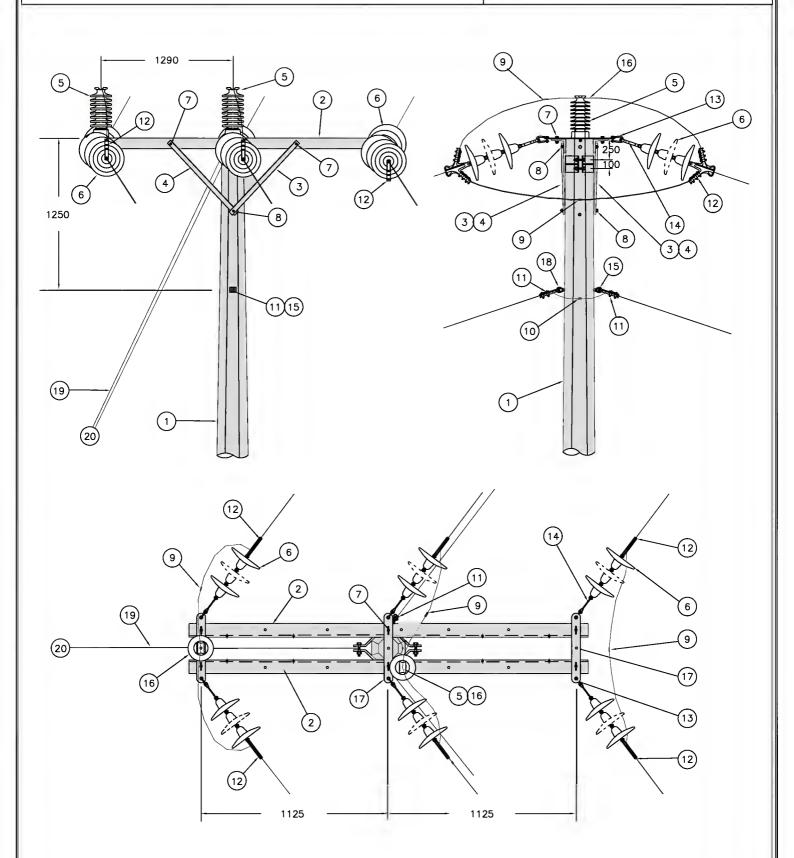


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DRW.025-OC15S/D, 15M, SINGLE CIRCUIT, HEAVY ANGLE STRUCTURE, 61°-90° WITH TWO STAYS

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SERIAL NO.	QTY	BILL OF MATERIALS DESCRIPTION	REFERENCES	
01	1	OC15S/D - 15 Meter Steel Pole, HDG, Single Circuit	20-SDMS-01	Page 38
02	2	Crossarm - L 100x100x12x2400mm L.G.	20-SDMS-02	Fig. 01
03	2	Brace — L 50x50x4x828mm L.G.	20-SDMS-02	Fig. 04
04	2	Brace — L 50x50x4x828mm L.G. With One End Clipped	20-SDMS-02	Fig. 04
05	2	Line Post Insulator	15-SDMS-01	Clause 4.2.8
06	6 Set	Suspension Insulator	15-SDMS-01	Page 23
07	10	Machine Bolt, M20x60mm W/1 Nut, 2 Flat Washers & 1 Spring Washer	20-SDMS-02	Fig. 15
08	2	Machine Bolt, M20x225mm W/1 Nut, 2 Flat Washers & 1 Spring Washer	20-SDMS-02	Fig. 15
09	3	Parallel Groove Comp. Connector for 170.5mm2 ACSR/AW (Merlin)	20-SDMS-02	Fig. 39
10	1	Parallel Groove Comp. Connector for 67.44mm2 ACSR/AW (Quail)	20-SDMS-02	Fig. 39
11	2	Strain Clamp, Straight Line Deadend Type for Quail	20-SDMS-02	Fig. 30
12	6	Strain Clamp, 3 U—Bolts Type for Merlin	20-SDMS-02	Fig. 29
13	6	Anchor Shackle	20-SDMS-02	Fig. 20
14	6	Clevis Eye Extension	20-SDMS-02	Fig. 21
15	1	Shoulder Eye Bolt, M20x260mm W/2 Nuts, 1 Flat & 1 Spring Washers	20-SDMS-02	Fig. 17
16	2	Preformed Line Post Insulator Top Tie for Merlin ACSR/AW	20-SDMS-02	Fig. 35
17	3	Double Arming Plate, 100x12x700mm	20-SDMS-02	Fig. 07
18	1	Eye Nut For M20	20-SDMS-02	Fig. 19
19	35M	Stay Wire 7/4, 12mm Dia. HDG Steel, UTS 101kN (Min)		
20	1 Set	M.V.—S.C. Two Stay Assembly	20-SDMS-02	Drw. 303
21	1 Set	Danger Sign Plate Complete With Its Accessories	20-SDMS-02	Fig. 49/50
22	18M	Anti-Climbing Device, Barbed Wire	20-SDMS-02	Fig. 13
23	2	Buckle Type, Locking Clip for Barbed Wire	20-SDMS-02	Fig. 13
24	1 Set	Pole Numbering Base Plate	20-SDMS-02	Fig. 51
25	1 Set	Pole Numbering Plates	20-SDMS-02	Fig. 51
		170.5mm2 ACSR/AW, MERLIN		

DRW.025A-OC15S/D, 15M, SINGLE CIRCUIT, HEAVY ANGLE STRUCTURE 61°-90° WITH STAYS FOR MERLIN MAIN CONDUCTOR



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SERIAL NO.	QTY	BILL OF MATERIALS DESCRIPTION	REFERE	NCES
01	1	OC15S/D — 15 Meter Steel Pole, HDG, Single Circuit	20-SDMS-01	Page 38
02	2	Crossarm — L 100x100x12x2400mm L.G.	20-SDMS-02	Fig. 01
03	2	Brace — L 50x50x4x828mm L.G.	20-SDMS-02	Fig. 04
04	2	Brace — L 50x50x4x828mm L.G. With One End Clipped	20-SDMS-02	Fig. 04
05	2	Line Post Insulator	15-SDMS-01	Clause 4.2
06	6 Set	Suspension Insulator	15-SDMS-01	Page 23
07	10	Machine Bolt, M20x60mm W/1 Nut, 2 Flat Washers & 1 Spring Washer	20-SDMS-02	Fig. 15
08	2	Machine Bolt, M20x225mm W/1 Nut, 2 Flat Washers & 1 Spring Washer	20-SDMS-02	Fig. 15
09	3	Parallel Groove Comp. Connector for 67.44mm2 ACSR/AW (Quail)	20-SDMS-02	Fig. 39
10	1	Parallel Groove Comp. Connector for 67.44mm2 ACSR/AW (Quail)	20-SDMS-02	Fig. 39
11	2	Strain Clamp, Straight Line Deadend Type for Quail	20-SDMS-02	Fig. 30
12	6	Strain Clamp, 3 U—Bolts Type for Quail	20-SDMS-02	Fig. 29
13	6	Anchor Shackle	20-SDMS-02	Fig. 20
14	6	Clevis Eye Extension	20-SDMS-02	Fig. 21
15	1	Shoulder Eye Bolt, M20x260mm W/2 Nuts, 1 Flat & 1 Spring Washers	20-SDMS-02	Fig. 17
16	2	Preformed Line Post Insulator Top Tie for Quail ACSR/AW	20-SDMS-02	Fig. 35
17	3	Double Arming Plate, 100x12x700mm	20-SDMS-02	Fig. 07
18	1	Eye Nut For M20	20-SDMS-02	Fig. 19
19	35M	Stay Wire 7/4, 12mm Dia. HDG Steel, UTS 101kN (Min)		
20	1 Set	M.V.—S.C. Two Stay Assembly	20-SDMS-02	Drw. 303
21	1 Set	Danger Sign Plate Complete With Its Accessories	20-SDMS-02	Fig. 49/5
22	18M	Anti-Climbing Device, Barbed Wire	20-SDMS-02	Fig. 13
23	2	Buckle Type, Locking Clip for Barbed Wire	20-SDMS-02	Fig. 13
24	1 Set	Pole Numbering Base Plate	20-SDMS-02	Fig. 51
25	1 Set	Pole Numbering Plates	20-SDMS-02	Fig. 51
		67.44mm2 ACSR/AW, QUAIL		

DRW.025B-OC15S/D, 15M, SINGLE CIRCUIT, HEAVY ANGLE STRUCTURE 61°-90° WITH TWO STAYS FOR QUAIL MAIN CONDUCTOR

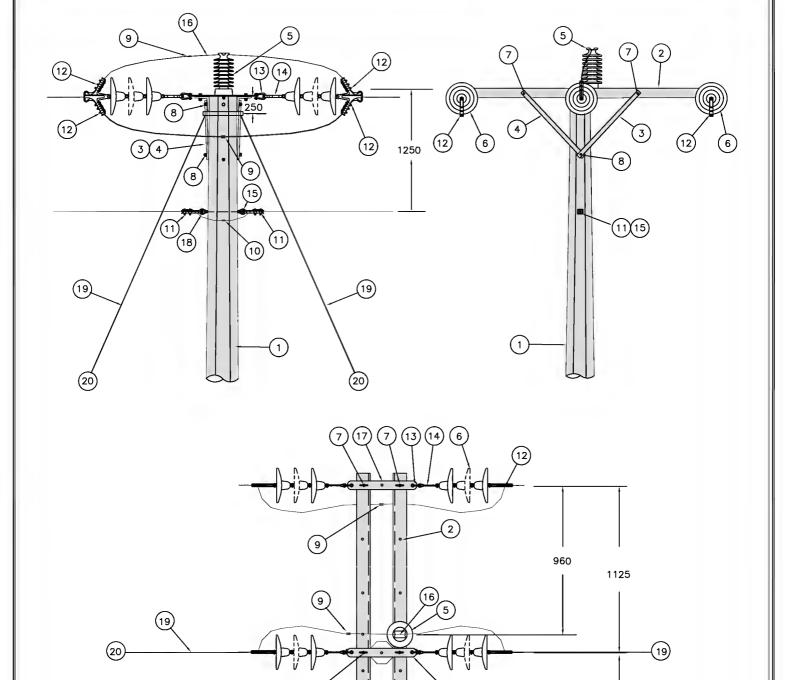


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Dated: NOVEMBER 2004



DRW.026-OC15S/D, 15M, SINGLE CIRCUIT, SECTION STRUCTURE WITH STAYS

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SERIAL NO.	QTY	BILL OF MATERIALS DESCRIPTION	REFERE	REFERENCES	
01	1	OC15S/D — 15 Meter Steel Pale, HDG, Single Circuit	20-SDMS-01	Page 38	
02	2	Crassarm — L 100x100x12x2400mm L.G.	20-SDMS-02	Fig. 01	
03	2	Brace — L 50x50x4x828mm L.G.	20-SDMS-02	Fig. 04	
04	2	Brace — L 50x50x4x828mm L.G. With One End Clipped	20-SDMS-02	Fig. 04	
05	1	Line Past Insulatar	15-SDMS-01	Clause 4.2.	
06	6 Set	Suspension Insulator	15-SDMS-01	Page 23	
07	10	Machine Balt, M20x60mm W/1 Nut, 2 Flat Washers & 1 Spring Washer	20-SDMS-02	Fig. 15	
08	2	Machine Balt, M20x225mm W/1 Nut, 2 Flat Washers & 1 Spring Washer	20-SDMS-02	Fig. 15	
09	3	Parallel Graave Camp. Cannectar far 170.5mm2 ACSR/AW (Merlin)	20-SDMS-02	Fig. 39	
10	1	Parallel Groove Comp. Connector for 67.44mm2 ACSR/AW (Quail)	20-SDMS-02	Fig. 39	
11	2	Strain Clamp, Straight Line Deadend Type far Quail	20-SDMS-02	Fig. 30	
12	6	Strain Clamp, 3 U—Bolts Type for Merlin	20-SDMS-02	Fig. 29	
13	6	Anchar Shackle	20-SDMS-02	Fig. 20	
14	6	Clevis Eye Extensian	20-SDMS-02	Fig. 21	
15	1	Shaulder Eye Balt, M20x260mm W/2 Nuts, 1 Flat & 1 Spring Washers	20-SDMS-02	Fig. 17	
16	1	Prefarmed Line Past Insulatar Tap Tie Far Merlin ACSR/AW	20-SDMS-02	Fig. 35	
17	3	Dauble Arming Plate, 100x12x700mm	20-SDMS-02	Fig. 07	
18	1	Eye Nut Far M20	20-SDMS-02	Fig. 19	
19	35M	Stay Wire 7/4, 12mm Dia. HDG Steel, UTS 101kN (Min)			
20	1 Set	MV, SC Section Stay Assembly	20-SDMS-02	Drw. 304	
21	1 Set	Danger Sign Plate Camplete With Its Accessaries	20-SDMS-02	Fig. 49/50	
22	18M	Anti-Climbing Device, Barbed Wire	20-SDMS-02	Fig. 13	
23	2	Buckle Type, Locking Clip for Barbed Wire	20-SDMS-02	Fig. 13	
24	1 Set	Pole Numbering Base Plate	20-SDMS-02	Fig. 51	
25	1 Set	Pale Numbering Plates	20-SDMS-02	Fig. 51	
		170.5mm2 ACSR/AW, MERLIN			

DRW.026A-OC15S/D, 15M, SINGLE CIRCUIT, SECTION STRUCTURE WITH STAY FOR MERLIN MAIN CONDUCTOR



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SERIAL NO.	QTY	BILL OF MATERIALS DESCRIPTION		REFERENCES		
01	1	OC15S/D — 15 Meter Steel Pole, HDG, Single Circuit	20-SDMS-01	Page 38		
02	2	Crossorm - L 100x100x12x2400mm L.G.	20-SDMS-02	Fig. 01		
03	2	Broce — L 50x50x4x828mm L.G.	20-SDMS-02	Fig. 04		
04	2	Broce — L 50x50x4x828mm L.G. With One End Clipped	20-SDMS-02	Fig. 04		
05	1	Line Post Insulotor	15-SDMS-01	Clause 4.2.		
06	6 Set	Suspension Insulator	15-SDMS-01	Page 23		
07	10	Machine Bolt, M20x60mm W/1 Nut, 2 Flat Woshers & 1 Spring Washer	20-SDMS-02	Fig. 15		
08	2	Mochine Bolt, M20x225mm W/1 Nut, 2 Flot Woshers & 1 Spring Wosher	20-SDMS-02	Fig. 15		
09	3	Porollel Groove Comp. Connector for 67.44mm2 ACSR/AW (Quoil)	20-SDMS-02	Fig. 39		
10	1	Parallel Groove Comp. Connector for 67.44mm2 ACSR/AW (Quail)	20-SDMS-02	Fig. 39		
11	2	Stroin Clomp, Stroight Line Deodend Type for Quoil	20-SDMS-02	Fig. 30		
12	6	Strain Clamp, 3 U—Bolts Type for Quail	20-SDMS-02	Fig. 29		
13	6	Anchor Shockle	20-SDMS-02	Fig. 20		
14	6	Clevis Eye Extension	20-SDMS-02	Fig. 21		
15	1	Shoulder Eye Bolt, M20x260mm W/2 Nuts, 1 Flot & 1 Spring Woshers	20-SDMS-02	Fig. 17		
16	1	Preformed Line Post Insulotor Top Tie For Quoil ACSR/AW	20-SDMS-02	Fig. 35		
17	3	Double Arming Plote, 100x12x700mm	20-SDMS-02	Fig. 07		
18	1	Eye Nut For M20	20-SDMS-02	Fig. 19		
19	35M	M.V. Stay Wire 7/4, 12mm Dia. HDG Steel, UTS 101kN (Min)				
20	1 Set	MV, SC Section Stoy Assembly	20-SDMS-02	Drw. 304		
21	1 Set	Donger Sign Plote Complete With Its Accessories	20-SDMS-02	Fig. 49/50		
22	18M	Anti—Climbing Device, Barbed Wire	20-SDMS-02	Fig. 13		
23	2	Buckle Type, Locking Clip for Borbed Wire	20-SDMS-02	Fig. 13		
24	1 Set	Pole Numbering Base Plate	20-SDMS-02	Fig. 51		
25	1 Set	Pole Numbering Plotes	20-SDMS-02	Fig. 51		
		67.44mm2 ACSR/AW, QUAIL				

DRW.026B-OC15S/D,15M,SINGLE CIRCUIT, SECTION STRUCTURE WITH STAYS FOR QUAIL MAIN CONDUCTOR

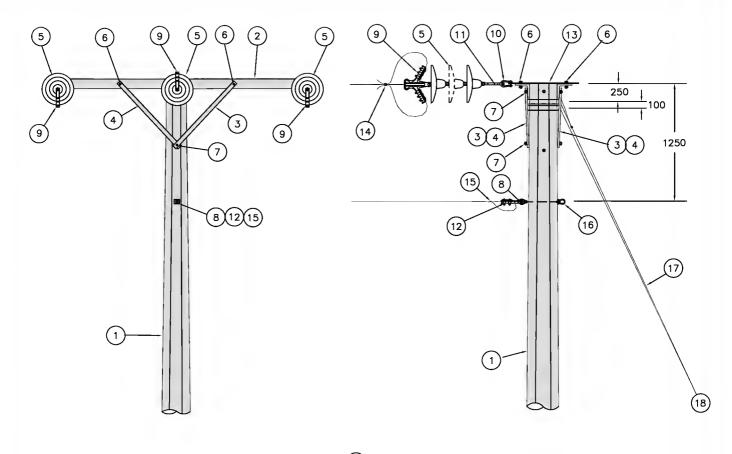


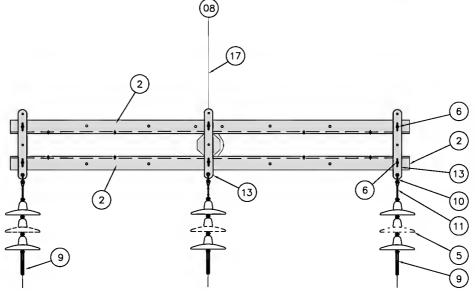
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DRW.027-OC15S/D,15M, SINGLE CIRCUIT, TERMINAL STRUCT. W/TWO STAYS

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SERIAL	SERIAL OTTY DILL OF MATERIALS DESCRIPTION DEPENDENCES				
NO.	QTY	BILL OF MATERIALS DESCRIPTION	REFERE	NCES	
01	1	OC15S/D — 15 Meter Steel Pale, HDG, Single Circuit	20-SDMS-01	Page 38	
02	2	Crassarm — L 100x100x12x2400mm L.G.	20-S0MS-02	Fig. 01	
03	2	Brace — L 50x50x4x828mm L.G.	20-S0MS-02	Fig. 04	
04	2	Brace — L 50x50x4x828mm L.G. With One End Clipped	20-S0MS-02	Fig. 04	
05	3 Set	Suspensian Insulatar	15-SDMS-01	Page 23	
06	10	Machine Balt, M20x60mm W/1 Nut, 2 Flat Washers & 1 Sring Washer	20-S0MS-02	Fig. 15	
07	2	Machine Balt, M20x225mm W/1 Nut, 2 Flat Washers & 1 Spring Washer	20-S0MS-02	Fig. 15	
08	1	Strain Clamp, Straight Line Deadend Type far Quail	20-SDMS-02	Fig. 30	
09	3	Strain Clamp, 3 U—Balts Type far Merlin	20-S0MS-02	Fig. 29	
10	3	Anchar Shackle	20-S0MS-02	Fig. 20	
11	3	Clevis Eye Extensian	20-S0MS-02	Fig. 21	
12	1	Shoulder Eye Bolt, M20x260mm, W/2 Nuts, 1 Flat & 1 Spring Washers	20-S0MS-02	Fig. 17	
13	3	Double Arming Plate, 100x12x700mm	20-S0MS-02	Fig. 07	
14	3	Parallel Graave Clamp, Three Balts Type far Merlin ACSR Canductar	20-S0MS-02	Fig.	
15	1	Parallel Graave Clamp, Twa Balts Type far Quail ACSR Canductar	20-S0MS-02	Fig.	
16	1	Eye Nut far M20	20-S0MS-02	Fig. 19	
17	35M	Stay Wire 7/4, 12mm Dia. HDG Steel, UTS 101kN (Min)			
18	1 Set	M.V.—S.C. Twa Stay Assembly	20-S0MS-02	0rw. 303	
19	1 Set	Danger Sign Plate Camplete With Its Accessaries	20-S0MS-02	Fig. 49/50	
20	18M	Anti-Climbing Device, Barbed Wire	20-SDMS-02	Fig. 13	
21	2	Buckle Type, Locking Clip for Barbed Wire	20-S0MS-02	Fig. 13	
22	1 Set	Pole Numbering Base Plate	20-S0MS-02	Fig. 51	
23	1 Set	Pale Numbering Plates	20-S0MS-02	Fig. 51	
-					
		170.5mm2 ACSR/AW, MERLIN			
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DRW.027A-OC15S/D,15M,SINGLE CIRCUIT,TERMINAL STRUCT. W/TWO STAYS FOR MERLIN MAIN CONDUCTOR



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SERIAL SERIAL DIVISION DE MATERIALES DESCRIPTION				
NO.	QTY	BILL OF MATERIALS DESCRIPTION	REFERE	NCES
01	1	OC15S/D — 15 Meter Steel Pale, HDG, Single Circuit	20-SDMS-01	Page 38
02	2	Crassarm — L 100x100x12x2400mm L.G.	20-SDMS-02	Fig. 01
03	2	Brace — L 50x50x4x828mm L.G.	20-SDMS-02	Fig. 04
04	2	Brace — L 50x50x4x828mm L.G. With One End Clipped	20-SDMS-02	Fig. 04
05	3 Set	Suspensian Insulatar	15-SDMS-01	Page 23
06	10	Machine Balt, M20x60mm W/1 Nut, 2 Flat Washers & 1 Sring Washer	20-SDMS-02	Fig. 15
07	2	Machine Balt, M20x225mm W/1 Nut, 2 Flat Washers & 1 Spring Washer	20-SDMS-02	Fig. 15
08	1	Strain Clamp, Straight Line Deadend Type for Quail	20-SDMS-02	Fig. 30
09	3	Strain Clamp, 3 U—Balts Type far Quail	20-SDMS-02	Fig. 29
10	3	Anchar Shackle	20-SDMS-02	Fig. 20
11	3	Clevis Eye Extensian	20-SDMS-02	Fig. 21
12	1	Shoulder Eye Bolt, M20x260mm, W/2 Nuts, 1 Flat & 1 Spring Washers	20-SDMS-02	Fig. 17
13	3	Double Arming Plate, 100x12x700mm	20-SDMS-02	Fig. 07
14	3	Parallel Graave Clamp, Twa Balts Type far Quail ACSR Canductar	20-SDMS-02	Fig.
15	1	Parallel Graave Clamp, Twa Balts Type far Quail ACSR Canductar	20-SDMS-02	Fig.
16	1	Eye Nut far M20	20-SDMS-02	Fig. 19
17	35M	Stay Wire 7/4, 12mm Dia. HDG Steel, UTS 101kN (Min)		
18	1 Set	M.V.—S.C. Twa Stay Assembly	20-SDMS-02	Drw. 303
19	1 Set	Danger Sign Plate Camplete With Its Accessaries	20-SDMS-02	Fig. 49/50
20	18M	Anti-Climbing Device, Barbed Wire	20-SDMS-02	Fig. 13
21	2	Buckle Type, Locking Clip for Borbed Wire	20-SDMS-02	Fig. 13
22	1 Set	Pole Numbering Base Plate	20-SDMS-02	Fig. 51
23	1 Set	Pale Numbering Plates	20-SDMS-02	Fig. 51
-				
		67.44mm2 ACSR/AW, QUAIL		
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DRW.027B-OC15S/D,15M,SINGLE CIRCUIT, TERMINAL STRUCT.W/TWO STAYS FOR QUAIL MAIN CONDUCTOR

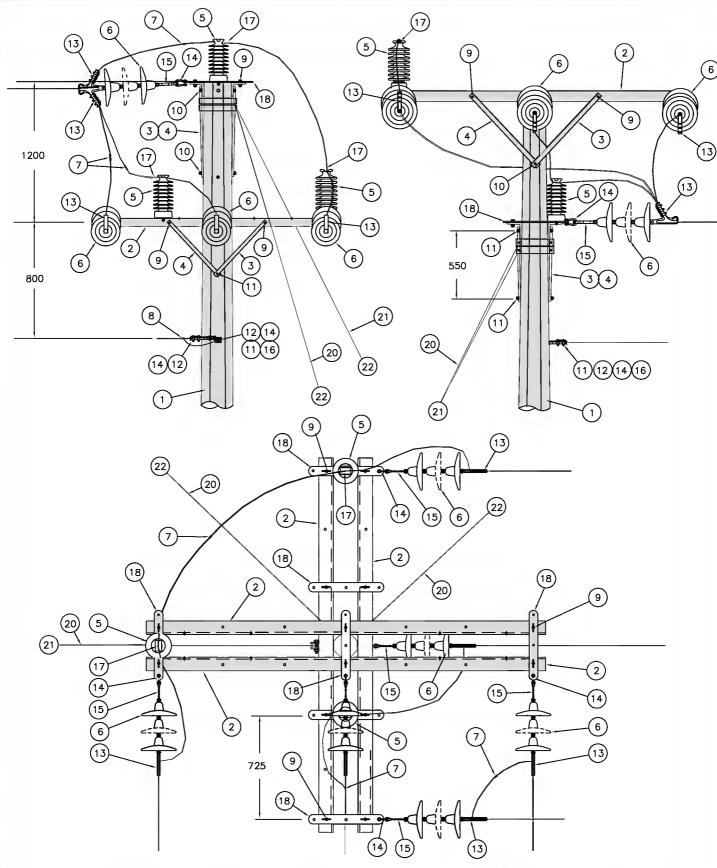


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DRW.028-OC15S/D, 15M, S.C. DOUBLE TERMINAL AT 90° STRUCTURE WITH STAYS

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SERIAL NO.	QTY	BILL OF MATERIALS DESCRIPTION	REFERE	NCES
01	1	OC15S/D - 15 Meter Steel Pole, HDG, Single Circuit	20-SDMS-01	Page 38
02	4	Crossarm - L 100x100x12x2400mm L.G.	20-SDMS-02	Fig. 01
03	4	Brace - L 50x50x4x828mm L.G.	20-SDMS-02	Fig. 04
04	4	Brace — L 50x50x4x828mm L.G. With One End Clipped	20-SDMS-02	Fig. 04
05	3	Line Post Insulator	15-SDMS-01	Clause 4.2.8
06	6 Set	Suspension Insulator	15-SDMS-01	Page 23
07	3	Parallel Groove Compression Connector for Merlin — Merlin	20-SDMS-02	Fig. 39
08	1	Parallel Groove Compression Connector for Quail	20-SDMS-02	Fig. 39
09	22	Machine Bolt, M20x60mm With Nut, 2 Flat Washer & 1 Spring Washer	20-SDMS-02	Fig. 15
10	2	Machine Bolt, M20x225mm With Nut, 2 Flat Washer & 1 Spring Washer	20-SDMS-02	Fig. 15
11	3	Machine Bolt, M20x265mm With Nut, 2 Flat Washer & 1 Spring Washer	20-SDMS-02	Fig. 15
12	2	Strain Clamp, Straight Line Deadend Type for Quail	20-SDMS-02	Fig. 30
13	6	Strain Clamp, 3 U—Bolts Type for Merlin	20-SDMS-02	Fig. 29
14	8	Anchor Shackle	20-SDMS-02	Fig. 20
15	6	Clevis Eye Extension	20-SDMS-02	Fig. 21
16	1	Earthwire Suspension Support	20-SDMS-02	Fig. 5
17	3	Preformed Line Post Insulator Top Tie for Merlin ACSR/AW	20-SDMS-02	Fig. 35
18	7	Double Arming Plate, 100x12x700mm	20-SDMS-02	Fig. 07
19	2 Set	Phasing Plates (A,B,C)	20-SDMS-02	Fig. 53/54
20	66M	Stay Wire 7/4, 12mm Dia. HDG Steel, UTS 101kN (Min)		
21	1 Set	M.V.—S.C. Two Stay Assembly	20-SDMS-02	Drw. 303
22	2 Set	M.V.—S.C. One Stay Assembly	20-SDMS-02	Drw. 302
23	1 Set	Danger Sign Plate Complete With Its Accessories	20-SDMS-02	Fig. 49/50
24	18M	Anti-Climbing Device, Barbed Wire	20-SDMS-02	Fig. 13
25	2	Buckle Type, Locking Clip for Barbed Wire	20-SDMS-02	Fig. 13
26	1 Set	Pole Numbering Base Plate	20-SDMS-02	Fig. 51
27	1 Set	Pole Numbering Plates	20-SDMS-02	Fig. 51
V V				
		170.5mm2 ACSR/AW, MERLIN		

DRW.028A-OC15S/D, 15M, S.C. DOUBLE TERMINAL AT 90° WITH STAYS FOR MERLIN MAIN & MERLIN



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SERIAL OTTO DATE OF MATTERNANCE DESCRIPTION					
NO.	QTY	BILL OF MATERIALS DESCRIPTION	REFEREI	NCES	
01	1	OC15S/D — 15 Meter Steel Pole, HDG, Single Circuit	20-SDMS-01	Page 38	
02	4	Crossarm — L 100x100x12x2400mm L.G.	20-SDMS-02	Fig. 01	
03	4	Brace - L 50x50x4x828mm L.G.	20-SDMS-02	Fig. 04	
04	4	Brace — L 50x50x4x828mm L.G. With One End Clipped	20-SDMS-02	Fig. 04	
05	3	Line Post Insulator	15-SDMS-01	Clause 4.2.8	
06	6 Set	Suspension Insulator	15-SDMS-01	Page 23	
07	3	Parallel Groove Compression Connector for Quail — Quail	20-SDMS-02	Fig. 39	
08	1	Parallel Groove Compression Connector for Quail	20-SDMS-02	Fig. 39	
09	22	Machine Bolt, M20x60mm With Nut, 2 Flat Washer & 1 Spring Washer	20-SDMS-02	Fig. 15	
10	2	Machine Bolt, M20x225mm With Nut, 2 Flat Washer & 1 Spring Washer	20-SDMS-02	Fig. 15	
11	3	Machine Bolt, M20x265mm With Nut, 2 Flat Washer & 1 Spring Washer	20-SDMS-02	Fig. 15	
12	2	Strain Clamp, Straight Line Deadend Type for Quail	20-SDMS-02	Fig. 30	
13	6	Strain Clamp, 3 U—Bolts Type for Quail	20-SDMS-02	Fig. 29	
14	8	Anchor Shackle	20-SDMS-02	Fig. 20	
15	6	Clevis Eye Extension	20-SDMS-02	Fig. 21	
16	1	Earthwire Suspension Support	20-SDMS-02	Fig. 05	
17	3	Preformed Line Post Insulator Top Tie for Quail ACSR/AW	20-SDMS-02	Fig. 35	
18	7	Double Arming Plate, 100x12x700mm	20-SDMS-02	Fig. 07	
19	2 Set	Phasing Plates (A,B,C)	20-SDMS-02	Fig. 53/54	
20	66M	Stay Wire 7/4, 12mm Dia. HDG Steel, UTS 101kN (Min)			
21	1 Set	M.V.—S.C. Two Stay Assembly	20-SDMS-02	Drw. 303	
22	2 Set	M.V.—S.C. One Stay Assembly	20-SDMS-02	Drw. 302	
23	1 Set	Danger Sign Plate Complete With Its Accessories	20-SDMS-02	Fig. 49/50	
24	18M	Anti-Climbing Device, Barbed Wire	20-SDMS-02	Fig. 13	
25	2	Buckle Type, Locking Clip for Barbed Wire	20-SDMS-02	Fig. 13	
26	1 Set	Pole Numbering Base Plate	20-SDMS-02	Fig. 51	
27	1 Set	Pole Numbering Plates	20-SDMS-02	Fig. 51	
		67.44mm2 ACSR/AW, QUAIL			
			<u>I</u>		

DRW.028B-OC15S/D, 15M, S.C. DOUBLE TERMINAL AT 90° WITH STAYS FOR QUAIL MAIN & QUAIL